HITACHI

PA | No. 0014

SERVICE MANUAL

50UX14B/15K
46UX12B/13K

NTSC | AP33 Chassis

R/C: CLU-850GR
CLU-609

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CAUTION: Before servicing this chassis, it is important that the service technician read the "Safety Precaution" and "Product Safety Notices" in this Service Manual.

SAFETY NOTICE
USE ISOLATION TRANSFORMER WHEN SERVICING

Components having special safety characteristics are identified by a ⚠ on the schematics and on the parts list in this Service Data and its supplements and bulletins. Before servicing this chassis, it is important that the service technician read and follow the "Safety Precautions" and "Product Safety Notices" in this Service Manual.

*For continued x-radiation protection, replace picture tube with original type or Hitachi approved equivalent type.

SPECIFICATIONS AND PARTS ARE SUBJECT TO CHANGE FOR IMPROVEMENT

PROJECTION COLOR TELEVISION

July 1993 HHEA - MANUFACTURING DIVISION

This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.

Improperly performed repairs can adversely affect the safety and reliability of the product and may void warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

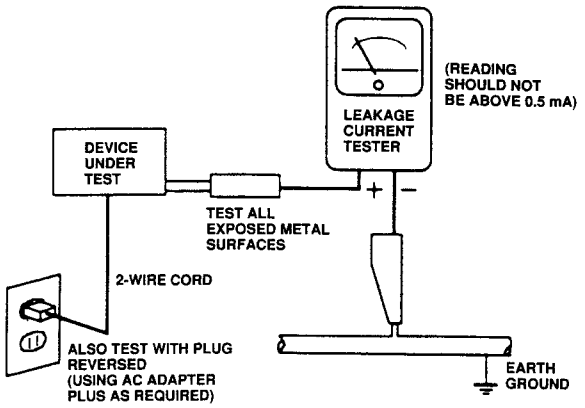
WARNING
Lead in solder used in this product is listed by the California Health and Welfare agency as a known reproductive toxicant which may cause birth defects or other reproductive harm (California Health and Safety Code, Section 25249.5).

When servicing or handling circuit boards and other components which contain lead in solder, avoid unprotected skin contact with the solder, Also, when soldering do not inhale any smoke or fumes produced.

This television receiver provides display of television closed captioning in accordance with section 15.119 of the FCC rules.

SAFETY PRECAUTIONS

1. Before returning an instrument to the customer, always make a safety check of the entire instrument, including, but not limited to the following items:
   a. Be sure that no built-in protective devices are defective and/or have been deleted during servicing. (1) Protective shields are provided on this chassis to protect both the technician and the customer. Correctly replace all missing protective shields, including any removed for servicing convenience. (2) When reinstalling the chassis and/or other assembly in the cabinet, be sure to put back in place all protective devices, including, but not limited to, nonmetallic control knobs, insulating fishpapers, adjustment and compartment covers/shields, and isolation resistor/capacitor networks. **Do not operate this instrument or permit it to be operated without all protective devices correctly installed and functioning. Servicers who defeat safety features or fail to perform safety checks may be liable for any resulting damage.**
   b. Be sure that there are no cabinet openings through which an adult or child might be able to insert their fingers and contact a hazardous voltage. Such openings include, but are not limited to, (1) spacing between the picture tube and cabinet mask, (2) excessively wide cabinet ventilation slots, and (3) an improperly fitted and/or incorrectly secured cabinet back cover.
   c. **Antenna Cold Check** — With the instrument AC plug removed from any AC source, connect an electrical jumper across the two AC plug prongs. Place the instrument AC switch in the on position. Connect one lead of an ohmmeter to the AC plug prongs tied together and touch the other ohmmeter lead in turn to each tuner antenna input exposed terminal screw and, if applicable, to the coaxial connector. If the measured resistance is less than 1.0 megohms or greater than 5.2 megohms, an abnormality exists that must be corrected before the instrument is returned to the customer. Repeat this test with the instrument AC switch in the off position.
   d. **Leakage Current Hot Check** — With the instrument completely reassembled, plug the AC line cord directly into a 120V AC outlet. (Do not use an isolation transformer during this test.) Use a leakage current tester or a metering system that complies with American National Standards Institute (ANSI) C101.0 Leakage Current for Appliances and Underwriters Laboratories (UL) 1410, (50.7). With the instrument AC switch first inth e on position and then in the off position, measure from a known earth ground (metal waterpipe, conduit, etc.) to all exposed metal parts of the instrument (antennas, handle bracket, metal cabinet, screw heads, metallic overlays, control shafts, etc.), especially any exposed metal parts that offer an electrical return path to the chassis. Any current measured must not exceed 0.5 milliamps. Reverse the instrument power cord plug in the outlet and repeat test.

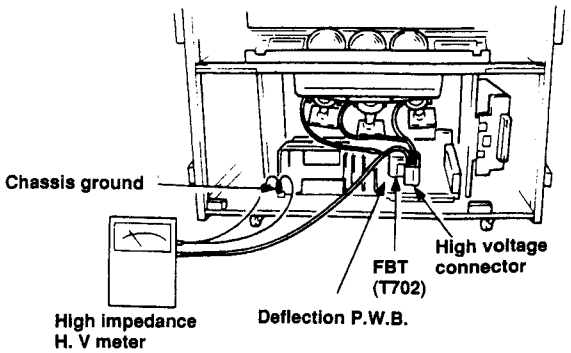

(READING SHOULD NOT BE ABOVE 0.5 mA)
LEAKAGE CURRENT TESTER
DEVICE UNDER TEST
TEST ALL EXPOSED METAL SURFACES
2-WIRE CORD
ALSO TEST WITH PLUG REVERSED (USING AC ADAPTER PLUS AS REQUIRED)
EARTH GROUND

AC Leakage Test

ANY MEASUREMENTS NOT WITHIN THE LIMITS SPECIFIED HEREIN INDICATE A POTENTIAL SHOCK HAZARD THAT MUST BE ELIMINATED BEFORE RETURNING THE INSTRUMENT TO THE CUSTOMER OR BEFORE CONNECTING THE ANTENNA OR ACCESSORIES.

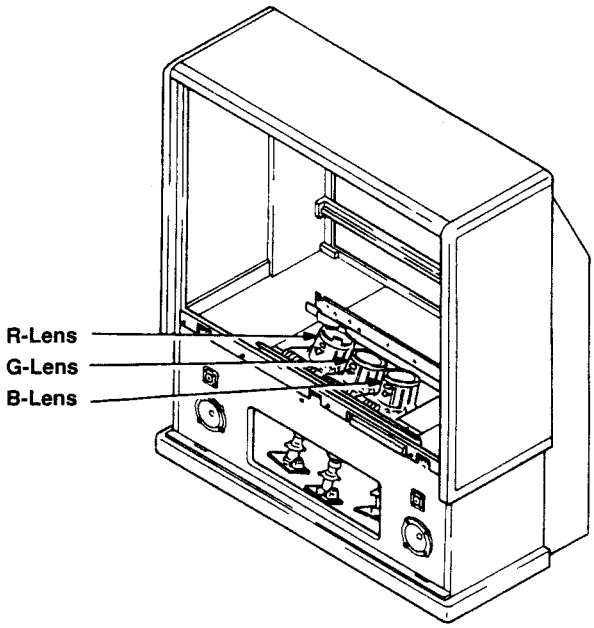
   e. **High Voltage** — This receiver is provided with a hold down circuit for clearly indicating that voltage has increased in excess of a predetermined value. Comply with all notes described in this Service Manual regarding this hold down circuit when servicing, so that this hold down circuit may correctly be operated.
   f. **Serviceman Warning** — With minimum contrast and brightness, operating high voltage in this receiver is lower than **31.6kV.** In case any component having influence on high voltage is replaced, confirm that high voltage with minimum contrast and brightness is lower than **31.6kV.**
   To measure H.V. use a high impedance H.V. meter. Connect)() to chassis earth and (+) to the CRT anode button. (See the following connection diagram.)

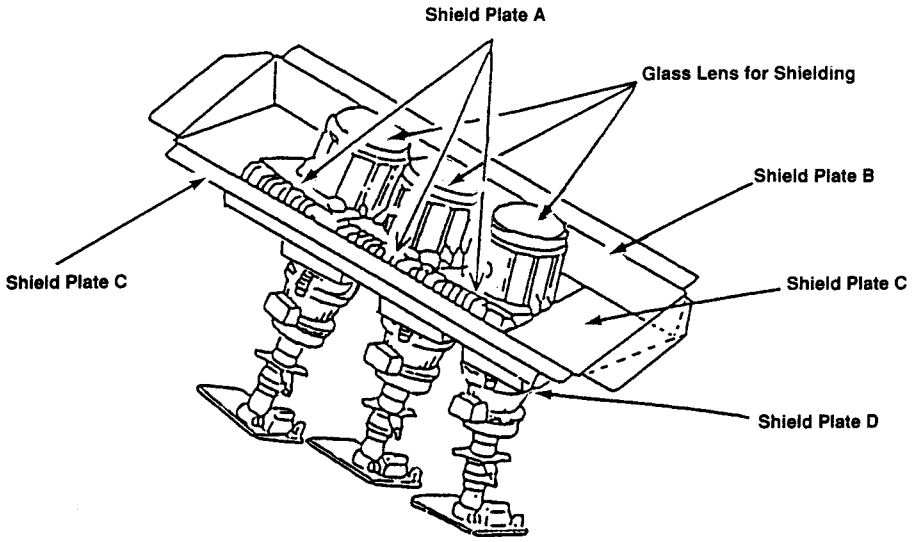
Note: Turn power switch off without fail before the connection to the anode button is made.



g. **X-radiation — TUBE:** The primary source of X radiation in this receiver is the picture tube. The tube utilized for the above mentioned function in this chassis is specially constructed to limit X radiation emissions.
For continued X radiation protection, the replacement tube must be the same type as the original, HITACHI approved type.
When troubleshooting and making test measurements in a receiver with a problem of excessive high voltage, avoid being unnecessarily close to the picture tube and the high voltage component.
Do not operate the chassis longer than is necessary to locate the cause of excessive voltage.

h. **X-radiation Shield —**
1) This receiver is provided X-ray shield plates for the protection of X-radiation. Do not remove X-ray shield plates A, B, C, or D shown in Fig. 1 unnecessarily, when troubleshooting and/or making test measurements.
2) To prevent X-radiation, after replacement of picture tube and lens, confirm these components to be fixed correctly to bracket and cabinet, and not to be taken off easily.





Detailing X-radiation shield.
Fig. 1

2. Read and comply with all caution and safety-related notes on or inside the receiver cabinet, on the receiver chassis, or on the picture tube.

3. **Design Alteration Warning** — Do not alter or add to the mechanical or electrical design of this TV receiver. Design alterations and additions, including, but not limited to, circuit modifications and the addition of items such as auxiliary audio and/or video output connections, might alter the safety characteristics of this receiver and create a hazard to the user. Any design alterations or additions may void the manufacturer's warranty and may make you, the servicer, responsible for personal injury or property damage resulting therefrom.

4. **Picture Tube Implosion Protection Warning** — The picture tube in this receiver employs integral implosion protection. For continued implosion protection, replace the picture tube only with one of the same type number. Do not remove, install, or otherwise handle the picture tube in any manner without first putting on shatterproof goggles equipped with side shields. People not so equipped must be kept safely away while picture tubes are handled. Keep the picture tube away from your body. Do not handle the picture tube by its neck.

5. **Hot Chassis Warning** — **a.** Some TV receiver chassis are electrically connected directly to one conductor of the AC power cord and may be safely serviced without an isolation transformer only if the AC power plug is inserted so that the chassis is connected to the ground side of the AC power source. To confirm that the AC power plug is inserted correctly, with an AC voltmeter measure between the chassis and a known earth ground. If a voltage reading in excess of 1.0V is obtained, remove and reinsert the AC power plug in the opposite polarity and again measure the voltage potential between the chassis and a known earth ground. **b.** Some TV receiver chassis normally have 85V AC (RMS) between chassis and earth ground regardless of the AC plug polarity. These chassis can be safely serviced only with an isolation transformer inserted in the power line between the receiver and the AC power source, for both personnel and test equipment protection. **c.** Some TV receiver chassis have a secondary ground system in addition to the main chassis ground. This secondary ground system is not isolated from the AC power line. The two ground systems are electrically separated by insulating material that must not be defeated or altered.

6. Observe original lead dress. Take extra care to assure correct lead dress in the following areas: **a.** near sharp edges, **b.** near thermally hot parts — be sure that leads and components do not touch thermally hot parts, **c.** the AC supply, **d.** high voltage, and **e.** antenna wiring. Always inspect in all areas for pinched, out-of-plate, or frayed wiring. Do not change spacing between components, and between components and the printed circuit board. Check AC power cord for damage.

7. Components, parts, and/or wiring that appear to have overheated or are otherwise damaged should be replaced with components, parts, or wiring that meet original specifications. Additionally, determine the cause of overheating and/or damage and, if necessary, take corrective action to remove any potential safety hazard.

8. **PRODUCT SAFETY NOTICE** — Many TV electrical and mechanical parts have special safety-related characteristics some of which are often not evident from visual inspection, nor can the protection they give necessarily be obtained by replacing them with components rated for higher voltage, wattage, etc. Parts that have special safety characteristics are identified Hitachi service data by shading on schematics and by a (⚠) in the parts list. Use of a substitute replacement that does not have the same safety characteristics as the recommended replacement part in Hitachi service data parts list might create shock, fire, and/or other hazards. Product safety is under review continuously and new instructions are issued whenever appropriate. For the latest information, always consult the appropriate current Hitachi service literature. A subscription to, or additional copies of Service literature may be obtained at a normal charge from Hitachi.

SERVICING PRECAUTIONS

CAUTION: Before servicing instruments covered by this service data and its supplements and addenda, read and follow the SAFETY PRECAUTIONS on page 3 of this publication.

NOTE: If unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions on page 3 of this publication, always follow the safety precautions. Remember: Safety First.

General Servicing Precautions

1. Always unplug the instrument AC power cord from the AC power source before:
   a. Removing or reinstalling any component, circuit board, module, or any other instrument assembly.
   b. Disconnecting or reconnecting any instrument electrical plug or other electrical connection.
   c. Connecting a test substitute in parallel with an electrolytic capacitor in the instrument.
      Caution: A wrong part substitution or incorrect polarity installation of electrolytic capacitors may result in an explosion hazard.
   d. Discharging the picture tube anode.
2. Test high voltage only by measuring it with an appropriate high voltage meter or other voltage measuring device (DVM, FETVOM, etc.) equipped with a suitable high voltage probe. Do not test high voltage by "drawing an arc." The H.V. Distribution Box has an internal 400MΩ resistor (bleeder resistor) connected from the high voltage to ground. After power is removed from the instrument the high voltage will discharge through the high voltage bleeder resistor. If the tubes have high voltage after power is removed, then the bleeder resistor is defective or the bleeder ground is disconnected.
3. Discharge the picture tube's anode at any of the R, G, or B outputs on the High Voltage distribution box only by (a) first connecting one end of an insulated clip lead to the degaussing or kine aquadag grounding system shield at the point where the picture tube socket ground lead is connected, and then (b) touch the other end of the insulated clip lead to the picture tube high voltage distribution box R, G, or B output, using an insulating handle to avoid personal contact with high voltage.
4. Do not spray chemical on or near this instrument or any of its assemblies.
5. Unless specified otherwise in these service data, clean electrical contacts by applying the following mixture to the contacts with a pipe cleaner, cotton-tipped stick or comparable nonabrasive applicator: 10% (by volume) Acetone and 90% (by volume) isopropyl alcohol (90%-99% strength). **Caution:** This is a flammable mixture. Unless specified otherwise in these service data, lubrication of contacts is not required.
6. Do not defeat any plug/socket B+ voltage interlocks with which instruments covered by this service data might be equipped.
7. Do not apply AC power to this instrument and/or any of its electrical assemblies unless all solid-state device heat sinks are correctly installed.
8. Always connect the test instrument ground lead to the appropriate instrument chassis ground before connecting the test instrument positive lead. Always remove the test instrument ground lead last.
9. Use with this instrument only the test fixtures specified in this service data.
   CAUTION: Do not connect the test fixture ground strap to any heatsink in this instrument.

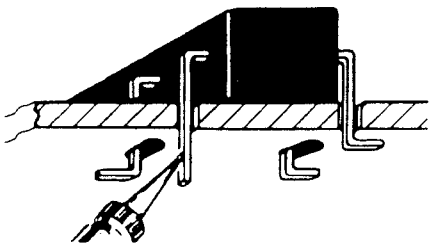
Electrostatically Sensitive (ES) Devices

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static type solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material.)
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.
   CAUTION: Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device.)

General Soldering Guidelines

1. Use a grounded-tip, low-wattage soldering iron and appropriate tip size and shape that will maintain tip temperature within the range 500°F to 600°F.
2. Use an appropriate gauge of resin-core solder composed of 60 parts tin/40 parts lead.
3. Keep the soldering iron tip clean and well tinned.
4. Thoroughly clean the surfaces to be soldered. Use a small wire-bristle (0.5 inch or 1.25 cm) brush with a metal handle. Do not use freon-propelled spray-on cleaners.
5. Use the following unsoldering technique.
   a. Allow the soldering iron tip to reach normal temperature (500°F to 600°F).
   b. Heat the component lead until the solder melts. Quickly draw away the melted solder with an anti-static, suction-type solder removal device or with solder braid.
   CAUTION: Work quickly to avoid overheating the circuit board printed foil.
6. Use the following soldering technique.
   a. Allow the soldering iron tip to reach normal temperature (500°F to 600°F).
   b. First, hold the soldering iron tip and solder strand against the component lead until the solder melts.
   c. Quickly move the soldering iron tip to the junction of the component lead and the printed circuit foil, and hold it there only until the solder flows onto and around both the component lead and the foil.
   CAUTION: Work quickly to avoid overheating the circuit board printed foil or components.
   d. Closely inspect the solder area and remove any excess or splashed solder with a small wire-bristle brush.



Use Soldering Iron to Pry Leads

IC Removal/Replacement

Some Hitachi unitized chassis circuit boards have slotted holes (oblong) through which the IC leads are inserted and then bent flat against the circuit foil. When holes are the slotted type, the following technique should be used to remove and replace the IC. When working with boards using the familiar round hole, use the standard technique as outlined in paragraphs 5 and 6 above.

Removal

1. Desolder and straighten each IC lead in one operation by gently prying up on the lead with the soldering iron tip as the solder melts.
2. Draw away the melted solder with an anti-static suction-type solder removal device (or with solder braid) before removing the IC.

Replacement

1. Carefully insert the replacement IC in the circuit board.
2. Carefully bend each IC lead against the circuit foil pad and solder it.
3. Clean the soldered areas with a small wire-bristle brush. (It is not necessary to reapply acrylic coating to the areas.)

"Small-signal" Discrete Transistor Removal/Replacement

1. Remove the defective transistor by clipping its leads as close as possible to the component body.
2. Bend into a "U" shape the end of each of three leads remaining on the circuit board.
3. Bend into a "U" shape the replacement transistor leads.
4. Connect the replacement transistor leads to the corresponding leads extending from the circuit board and crimp the "U" with long nose pliers to insure metal to metal contact, then solder each connection.

Power Output Transistor Devices Removal/Replacement

1. Heat and remove all solder from around the transistor leads.
2. Remove the heatsink mounting screw (if so equipped).
3. Carefully remove the transistor from the circuit board.
4. Insert new transistor in circuit board.
5. Solder each transistor lead, and clip off excess lead.
6. Replace heatsink.

Diode Removal/Replacement

1. Remove defective diode by clipping its leads as close as possible to diode body.
2. Bend the two remaining leads perpendicularly to the circuit board.
3. Observing diode polarity, wrap each lead out of the new diode around the corresponding lead on the circuit board.
4. Securely crimp each connection and solder it.
5. Inspect (on the circuit board copper side) the solder joints of the two "original" leads. If they are not shiny, reheat them and, if necessary, apply additional solder.

Fuse and Conventional Resistor Removal/Replacement

1. Clip each fuse or resistor lead at top of circuit board hollow stake.
2. Securely crimp leads of replacement component around stake 1/8 inch from top.
3. Solder the connections.

   CAUTION: Maintain original spacing between the replaced component and adjacent components and the circuit board, to prevent excessive component temperatures.

Circuit Board Foil Repair

Excessive heat applied to the copper foil of any printed circuit board will weaken the adhesive that bonds the foil to the circuit board, causing the foil to separate from, or "lift-off," the board. The following guidelines and procedures should be followed whenever this condition is encountered.

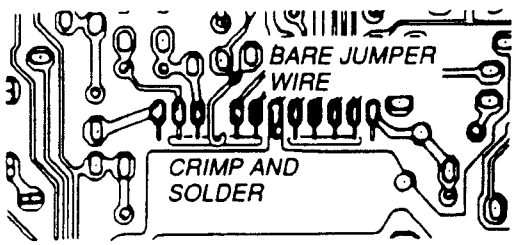
In Critical Copper Pattern Areas

High component/copper pattern density and/or special voltage/current characteristics make the spacing and integrity of copper pattern in some circuit board areas more critical than in others. The circuit foil in these areas is designated as Critical Copper Pattern and is identified and illustrated in this service data in the section titled Safety Related Copper Pattern (see table of contents for page number). Because Critical Copper Pattern requires special soldering techniques to ensure the maintenance of reliability and safety standards, contact your Hitachi personnel.

At IC Connections

To repair defective copper pattern at IC connections, use the following procedure to install a jumper wire on the copper pattern side of the circuit board. (Use this technique only on IC connections.)

1. Carefully remove the damaged copper pattern with a sharp knife. (Remove only as much copper as absolutely necessary.)
2. Carefully scratch away the solder resist and acrylic coating (if used) from the end of the remaining copper pattern.

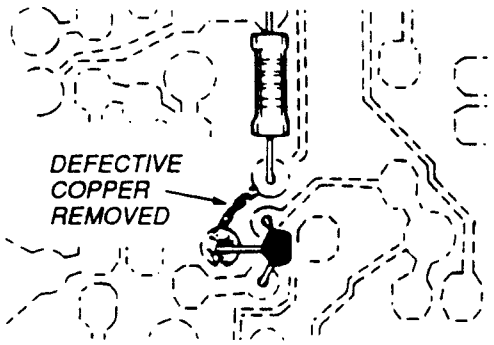


Install Jumper Wire and Solder

3. Bend a small "U" in one end of a small-gauge jumper wire and carefully crimp it around the IC pin. Solder the IC connection.
4. Route the jumper wire along the path of the cut-away copper pattern and let it overlap the previously scraped end of the good copper pattern. Solder the overlapped area, and clip off any excess jumper wire.

At Other connections

Use the following technique to repair defective copper pattern at connections other than IC Pins. This technique involves the installation of a jumper wire on the component side of the circuit board.



Insulated Jumper Wire

1. Remove the defective copper pattern with a sharp knife. Remove at least 1/4 inch of copper, to ensure that a hazardous condition will not exist if the jumper wire opens.
2. Trace along the copper pattern from both sides of the pattern break and locate the nearest component that is directly connected to the affected copper pattern.
3. Connect insulated 20-gauge jumper wire from the lead of the nearest component on one side of the pattern break to the lead of the nearest component on the other side. Carefully crimp and solder the connections.

   CAUTION: Be sure the insulated jumper wire is dressed so that it does not touch components or sharp edges.

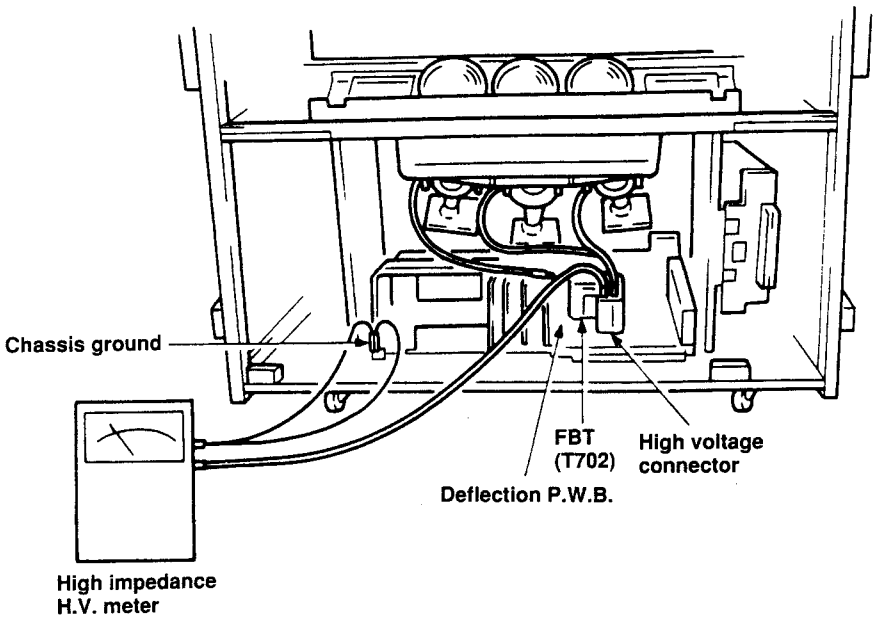
Frequency Synthesis (FS) Tuning Systems

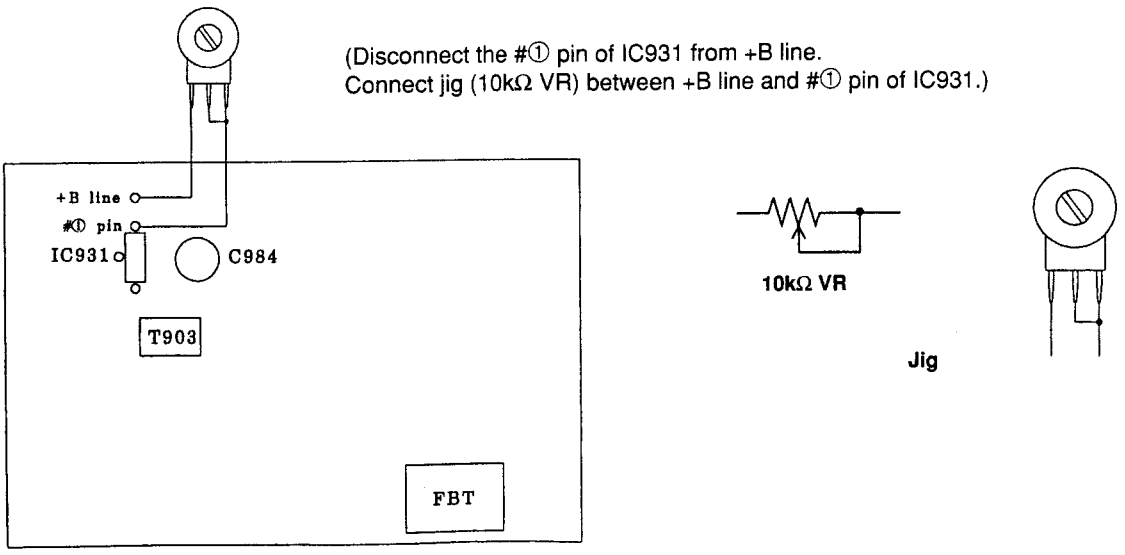
1. Always unplug the instrument AC power cord before disconnecting or reconnecting FS tuning system cables and before removing or reinserting FS tuning system modules.
2. The FS tuner must never be disconnected from the FS tuning control module while power is applied to the instrument.
3. When troubleshooting intermittent problems that might be caused by defective cable connection(s) to the FS tuning system, remove the instrument AC power as soon as the defective connector is found and finish confirming the bad connection with a continuity test. This procedure will reduce the probability of electrical overstress of the FS system semi-conductor components.

TECHNICAL CAUTIONS

High Voltage limiter circuit operation check.

1. Turn off TV and connect jig as shown in Figure 2. Adjust jig fully counter-clockwise for minimum resistance.
2. Set the AC input to 130V AC and turn on TV.
3. Confirm test pattern on CRT is a usable picture, then slowly adjust jig until the picture disappears and TV shuts down.
4. When the limiter circuit is operating properly, High Voltage will be less than 35.5kV at 0.6mA when TV shuts down.
5. Turn off set immediately after checking circuit operation.
6. Unplug set for one minute to reset shutdown circuit. Remove jig and voltmeter.





Deflection/Power Supply P.C.B.

Fig. 2

SPECIFICATIONS

Model: 50UX14B 50UX15K
46UX12B 46UX13K

Cathode-Ray Tube: 80° deflection 7 inch
180CZB22(K)R/180CZB22(K)G/
180CZB22(K)B

Power Input: 120 volts AC, 60Hz

Power Consumption: 230 watts - Maximum
158 watts - Operating

Antenna Impedance: 75 ohm Unbalanced
VHF/UHF/CATV

Receiving Channel:

	CH
VHF	2-13
UHF	14-69
EXT. Mid	(A-2)–(A-1),4+
CATV Mid	A-I
CATV Super	J-W
CATV Hyper	(W+1)–(W+28)
CATV Ultra	(W+29)–(W+53)

Intermediate Frequency: Picture I-F Carrier 45.75 MHz
Sound I-F Carrier 41.25 MHz
Color Sub Carrier 42.17 MHz

Video Input: 1 Voltp-p 75 ohm

Video Output: 1 Voltp-p 75 ohm

Audio Input: 0.4 volt rms, 40 k ohm

Stereo Audio Output: 0.4 volt rms, 1 k ohm

Audio Output Power: Front — 12 watts rms per channel, 8 ohm impedance.
Rear — 5 watts rms per channel, 8 ohm impedance.

Anode Voltage: 30.0 kV
(Zero Beam Current)

Brightness: 500 ft-L Nominal - 46"
420 ft-L Nominal - 50"
(Peak White)

Speakers: 2 Woofers - 6 inch
(16 cm) round
2 Tweeters - 2 inch
(5 cm) round

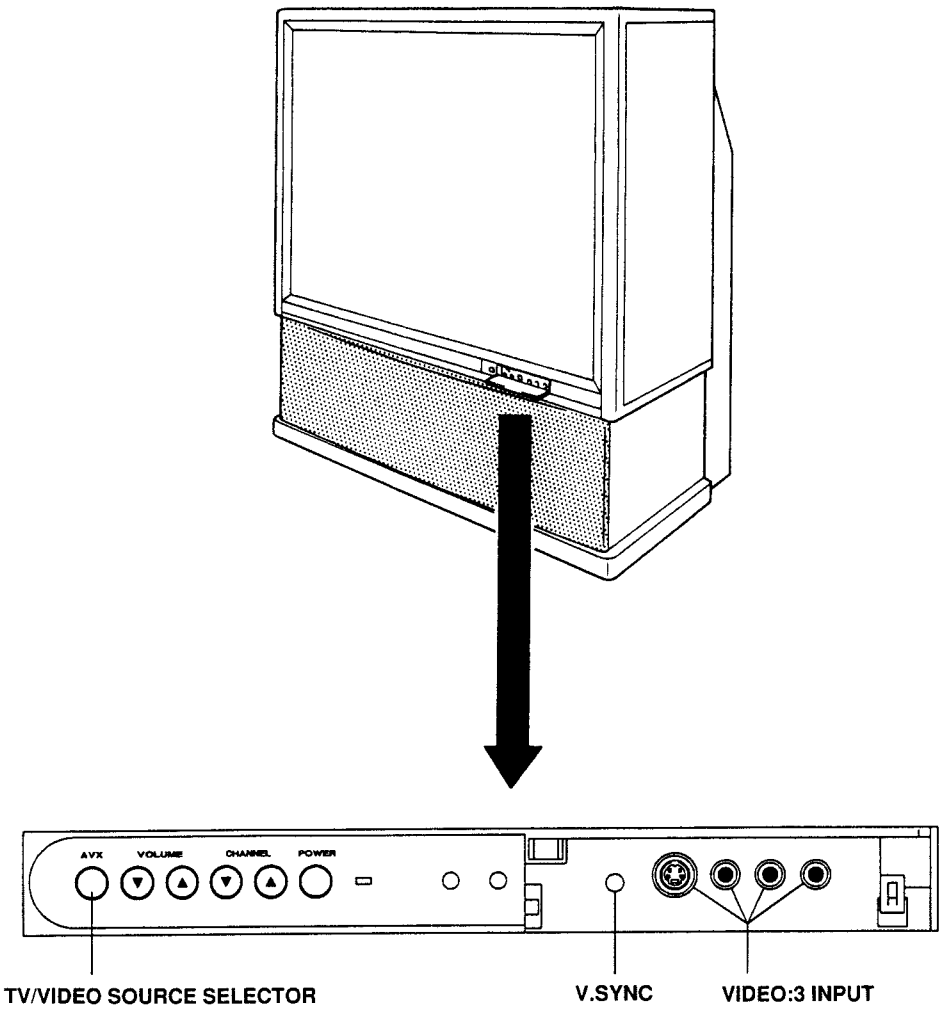
Dimension:	**46UX12B/13K**	**50UX14B/15K**
Height (in.)	48 7/8	52 5/8
Width (in.)	41 3/8	43 1/4
Depth (in.)	27	27 1/2
Weight (lbs.)	209	235

Circuit Board Assemblies:
CPT (B) P.C.B.
CPT (G) P.C.B.
CPT (R) P.C.B.
Convergence
Correction P.C.B.
Signal P.C.B.
Deflection/Power Supply P.C.B.
SP Terminal P.C.B.
Control P.C.B.
Surround P.C.B.
MTS P.C.B.
P-in-P Sub P.C.B.
Terminal P.C.B.
S. Contrast P.C.B.

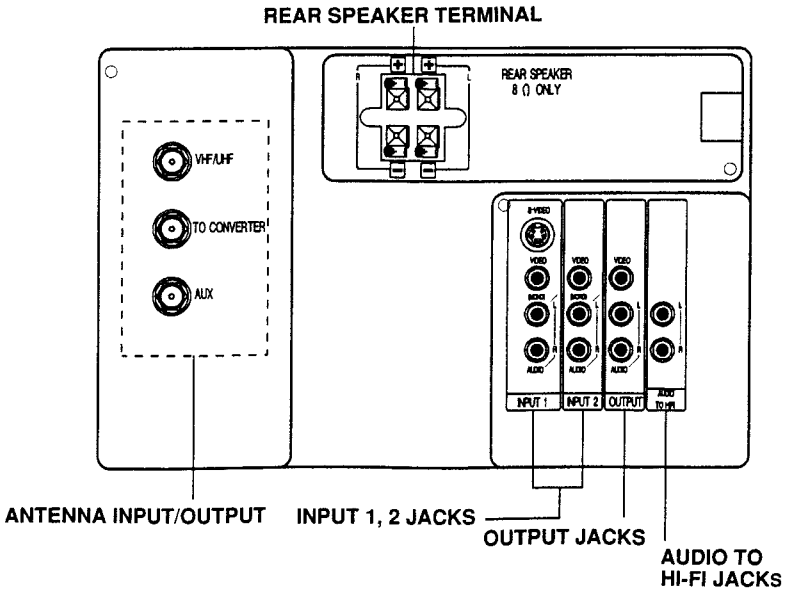
CIRCUIT PROTECTION

Fuse (or Device)	Circuit Protected	Physical Location
F601 1.6A/125V DC	Vertical	Power/Defl. Circuit Board
F901 5A/125V AC	Main Fuse	Power/Defl. Circuit Board
F903 5A/125V DC	Main Fuse	Power/Defl. Circuit Board
F931 3A/125V DC (MINIFUSE)	Rear Audio Output	Power/Defl. Circuit Board
F932 4A/125V DC	Vertical	Power/Defl. Circuit Board
F933 3A/125V DC (MINIFUSE)	Convergence	Power/Defl. Circuit Board
F934 3A/125V DC (MINIFUSE)	12V Supply	Power/Defl. Circuit Board
F935 4A/125V DC	11V Supply	Power/Defl. Circuit Board
F936 3A/125V DC (MINIFUSE)	Front Audio Output	Power/Defl. Circuit Board
F937 1.6A/125V DC	130V (+B) Supply	Power/Defl. Circuit Board

GENERAL INFORMATION



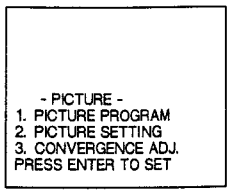
Control Panel
Fig. 3



Rear Connections Panel
Fig. 4

ADJUSTING FOR PICTURE AND SOUND FUNCTIONS

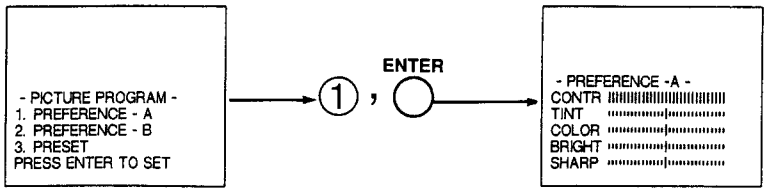
Press MENU, 2 ENTER on the remote control to display the -PICTURE- functions.



PICTURE PROGRAM is for preferred settings — contrast, color, etc.
PICTURE SETTING is used to improve the picture quality.
CONVERGENCE ADJ. is used to align the TV color picture tubes (red, green, blue) to produce a clear picture.

• PICTURE PROGRAM
There are two sets of preferred settings, PREFERENCE-A, PREFERENCE-B or use the factory PRESET settings.

Press MENU, 2, ENTER, 1, ENTER to select the PICTURE PROGRAM.



Press the CURSOR buttons to select and make adjustments.

CONTRAST — Use this function to change the contrast between black and white levels in the picture. This adjustment will only affect the picture when the PICTURE SETTING AI is OFF.

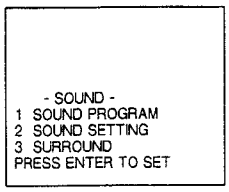
TINT — Use this function to adjust flesh tones so that they appear natural.

COLOR — Use this function to adjust the level of color in the picture.

BRIGHTNESS — Use this function to adjust overall picture brightness.

SHARPNESS — Use this function to adjust the amount of fine detail in the picture. This adjustment will only affect the picture when PICTURE SETTING AI is OFF.

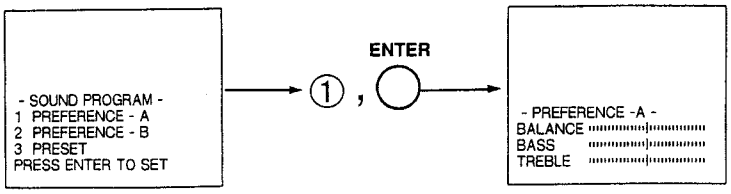
Press MENU, 3 ENTER on the remote control to display the -SOUND- functions.



SOUND PROGRAM is for preferred settings — balance, bass and treble.
SOUND SETTING is used to improve the sound quality.
SURROUND is used for special sound effects.

• SOUND PROGRAM
There are two sets of preferred settings, PREFERENCE-A, PREFERENCE-B or use the factory PRESET settings.

Press MENU, 3, ENTER, 1, ENTER to select the SOUND PROGRAM.



Press the CURSOR buttons to select and make adjustments.

BALANCE — This function will control the left, right balance of the TV internal speakers, the AUDIO TO HI-FI output and the surround speakers. The balance control is also found in the TEST TONE function.

BASS — This function controls the low frequency audio to all speakers.

TREBLE — This function controls the high frequency to all speakers.

SELF CHECK REPAIR CODES

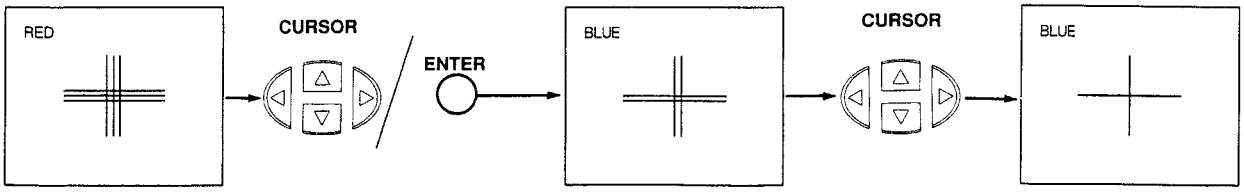
Press the AVX and POWER buttons on the control panel at the same time.

CODE	DETECTION CONTENTS	DETECTION TIME	REMARK
40	Abnormal horizontal deflection	- - -	- - -
41	Flyback Transformer loading on 12V line	- - -	- - -
50	Power Relay off	- - -	Abnormal condition causing relay to turn off
10	Check for PLL lock	Not locked in 2 sec.	During selection time
11	Check for AFC operation	Not finished in 2 sec.	During selection time
60	Check for AC input	At uP reset time	AC input (50/60Hz) not detected at reset time
31	Check IC0001 operation	At uP reset time	Check for out of range operation

Note: Code 10 or 11 may appear if TV is turned on without an antenna source connected.

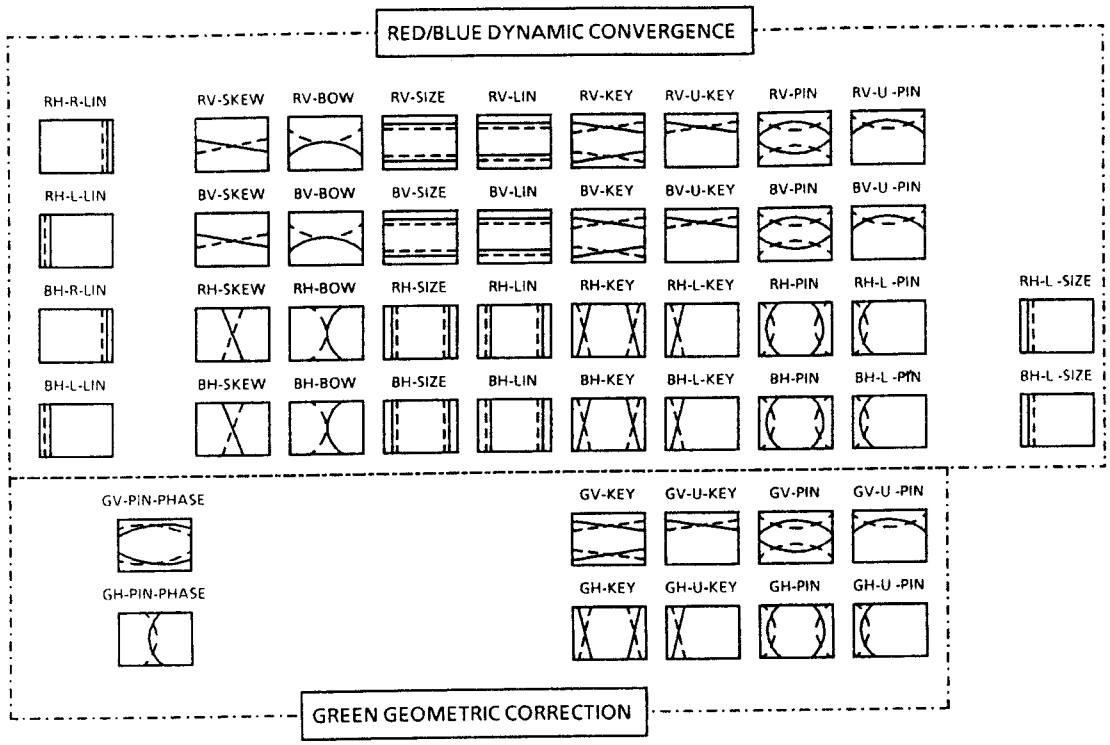
CONVERGENCE ADJUSTMENT

Press MENU, 2, ENTER, 3, ENTER on the remote control to display the CONVERGENCE ADJUSTMENT.

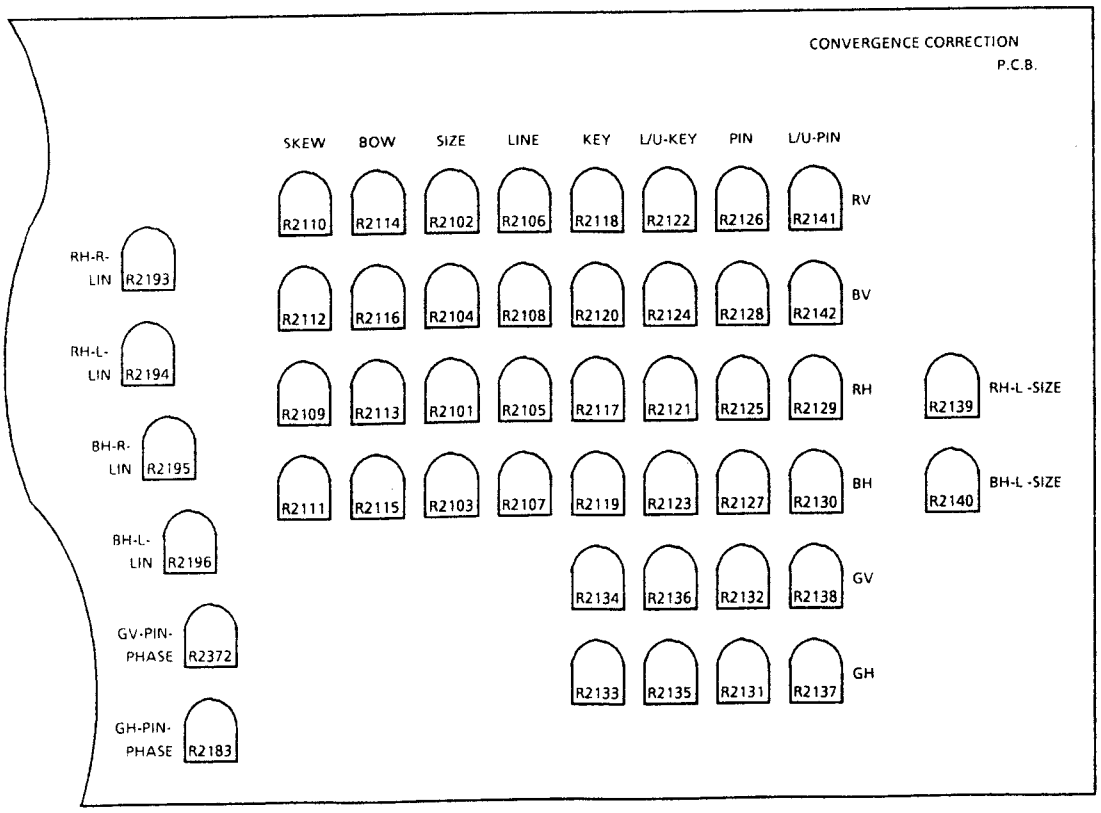


Press the CURSOR ▲, ▼ to move the color displayed up or down.
Press the CURSOR ◀,▶ to move the color displayed left or right.
Press ENTER to change the color.
Press MENU to exit.

Dynamic Convergence



Layout of the Adjustment VR



CAUTIONS WHEN CONNECTING/DISCONNECTING THE HV CONNECTOR

Perform the following when the HV connector (anode connector) is removed or inserted for CPT replacement, etc.

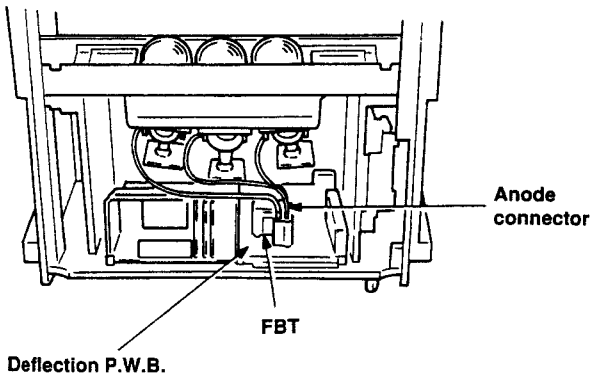


Fig. 5

During Removal

1. Insert a small flat-bladed screwdriver (adjustment screwdriver: 5-7 mm wide and 0.2-0.3 mm thick) into section Ⓐ in Fig. 6 and then push it in the direction of arrow Ⓑ. The lock will release with a click. (The state in Fig. 8 (1) will change to that in Fig. 8 (2).)

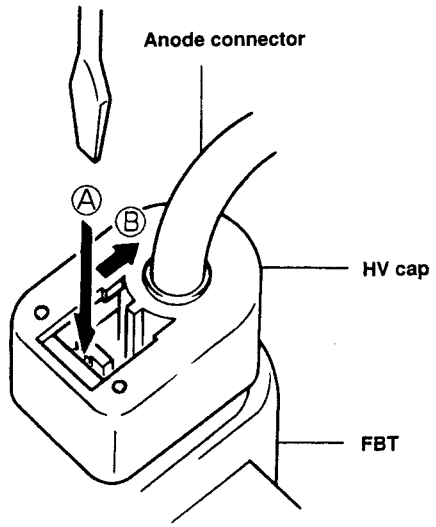


Fig. 6

2. Remove the HV cap and remove the anode connector (Fig. 7).

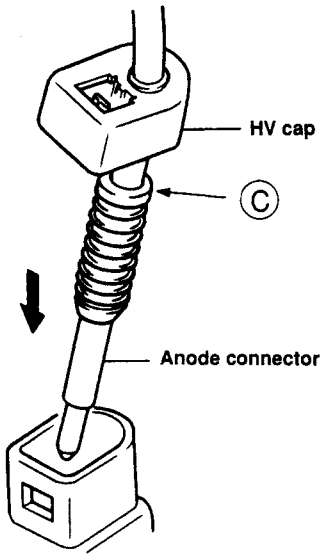
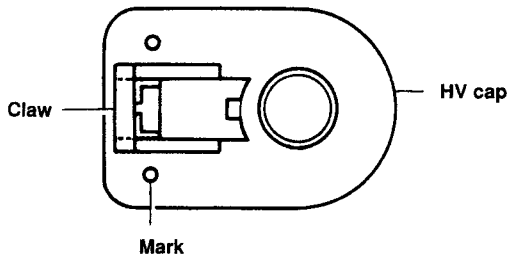


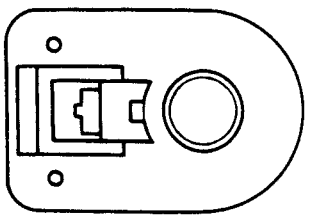
Fig. 7

During Insertion

1. Insert the anode connector deep into the FBT (to section Ⓒ in Fig. 7) and then push the HV cap into the FBT until it clicks.
2. Make sure the connector is securely inserted. (Check that the claw is at the mark on the HV cap shown as in Fig. 8 (1).)



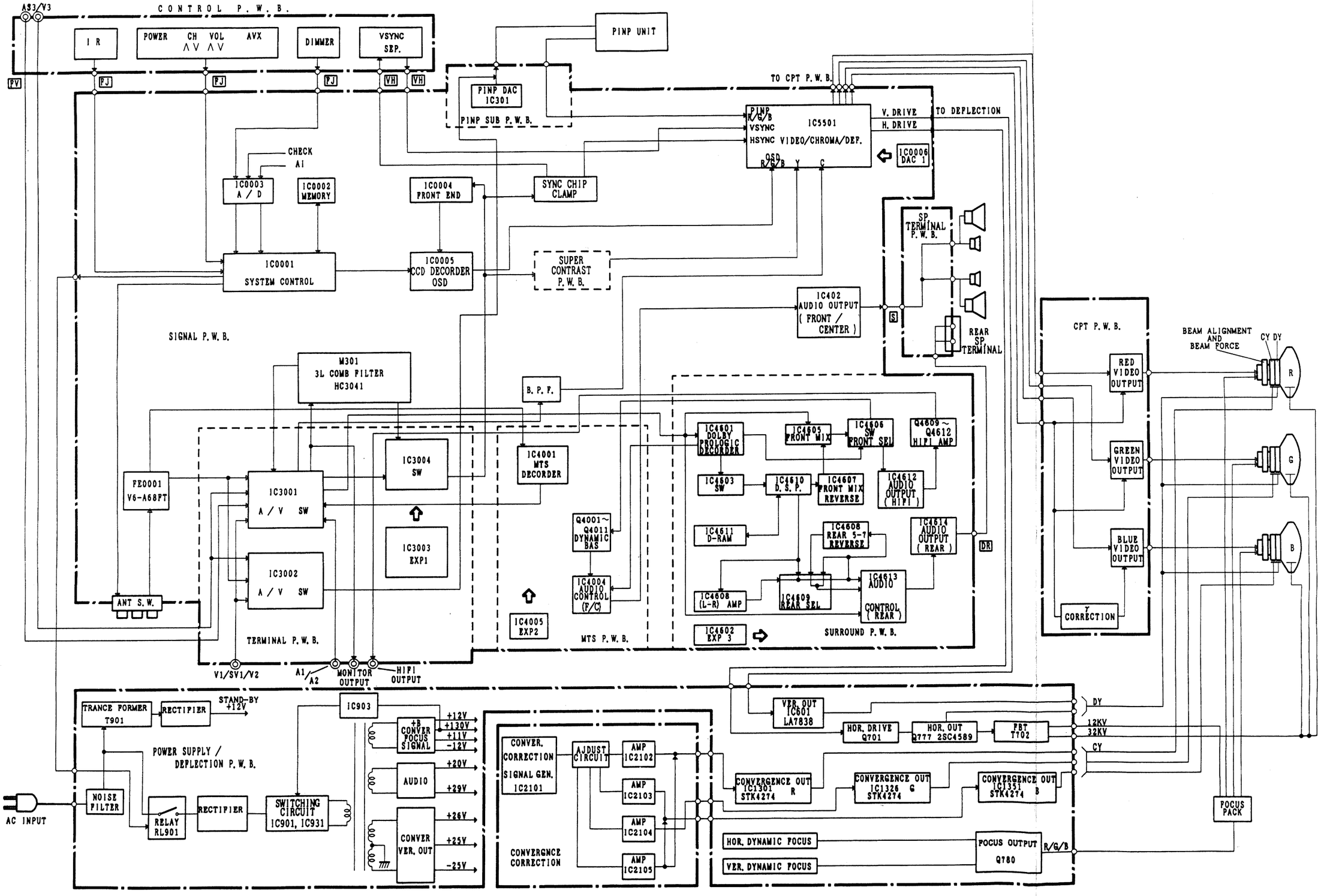
(1) Lock on
(When connector is inserted)



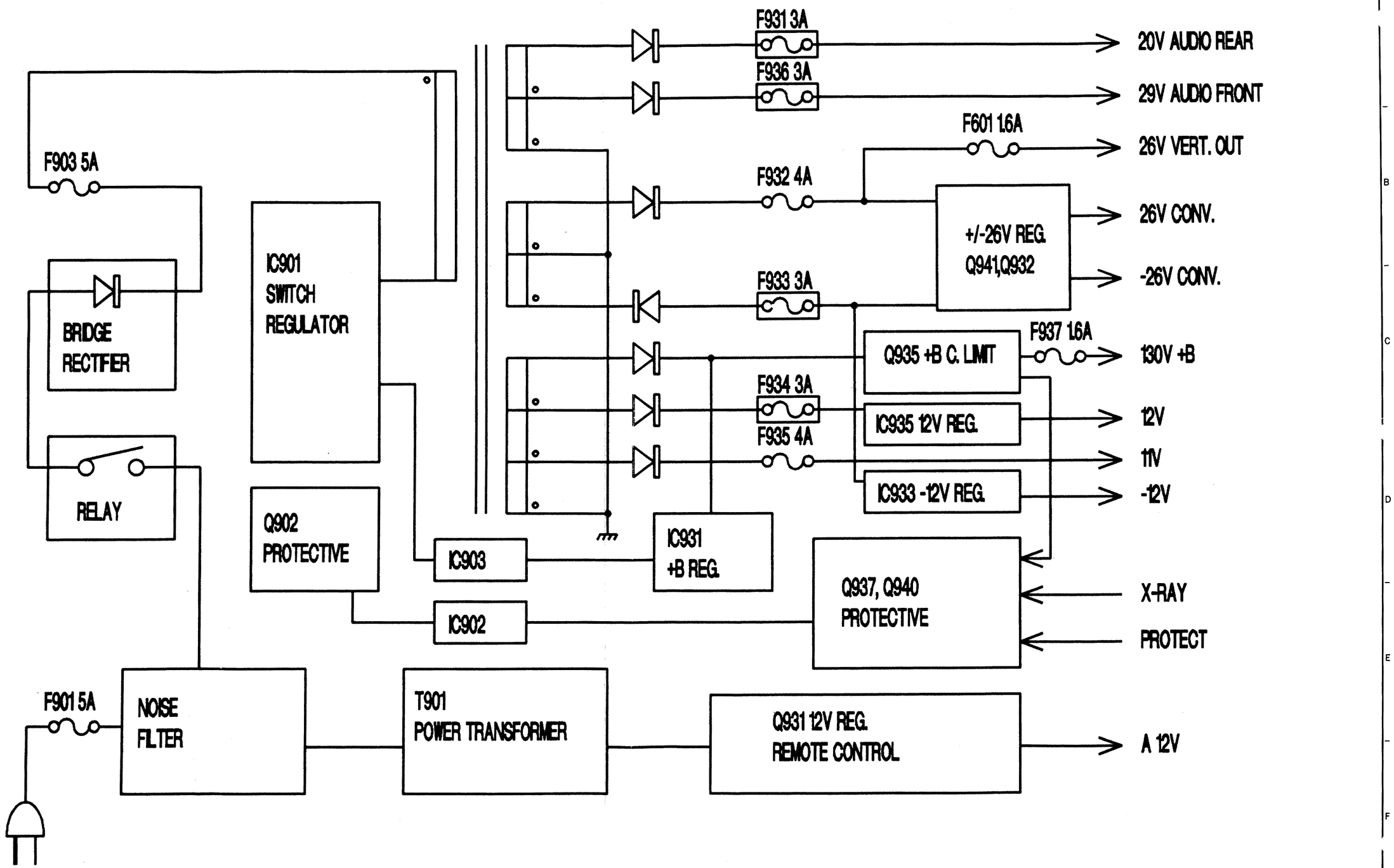
(2) Release
(When connector is removed)

Fig. 8

BLOCK DIAGRAM



PRODUCT SAFETY NOTE: Components marked with a ⚠ and shaded have special characteristics important to safety. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE of this Service Manual. Don't degrade the safety of the receiver through improper servicing.



• Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.

• All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.

BASIC CIRCUIT DIAGRAM

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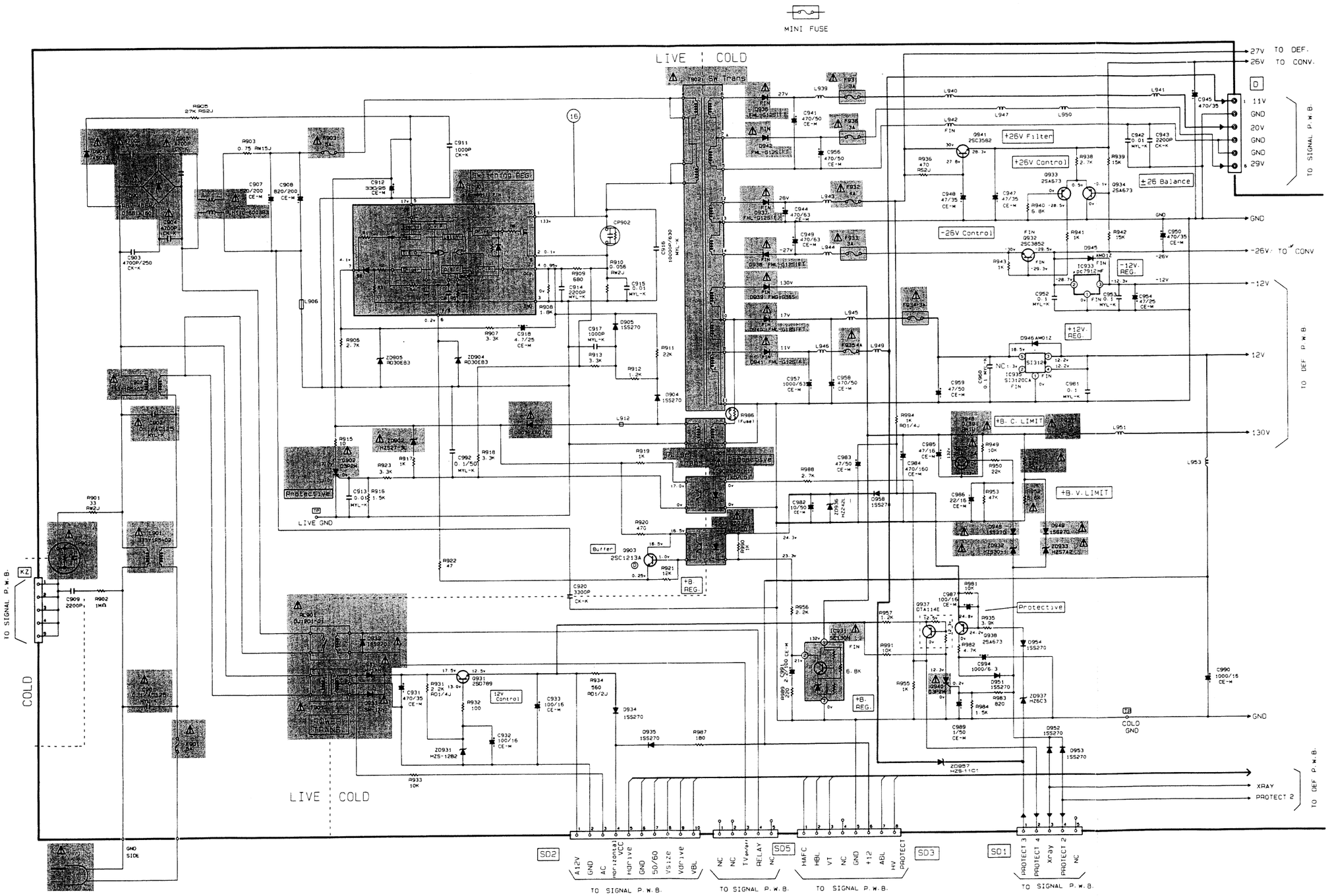

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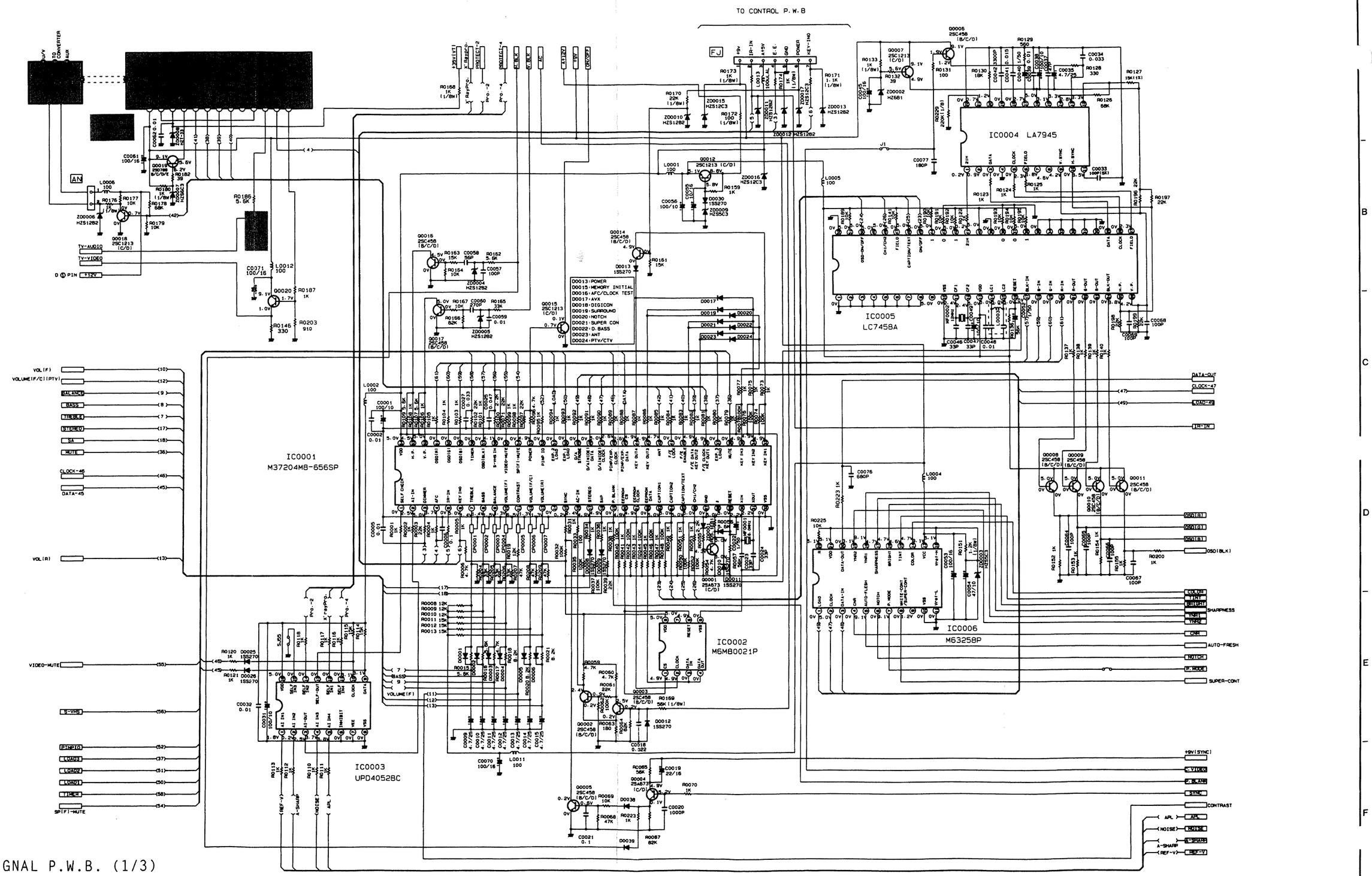

AP33 SIGNAL P.W.B. (1/3)

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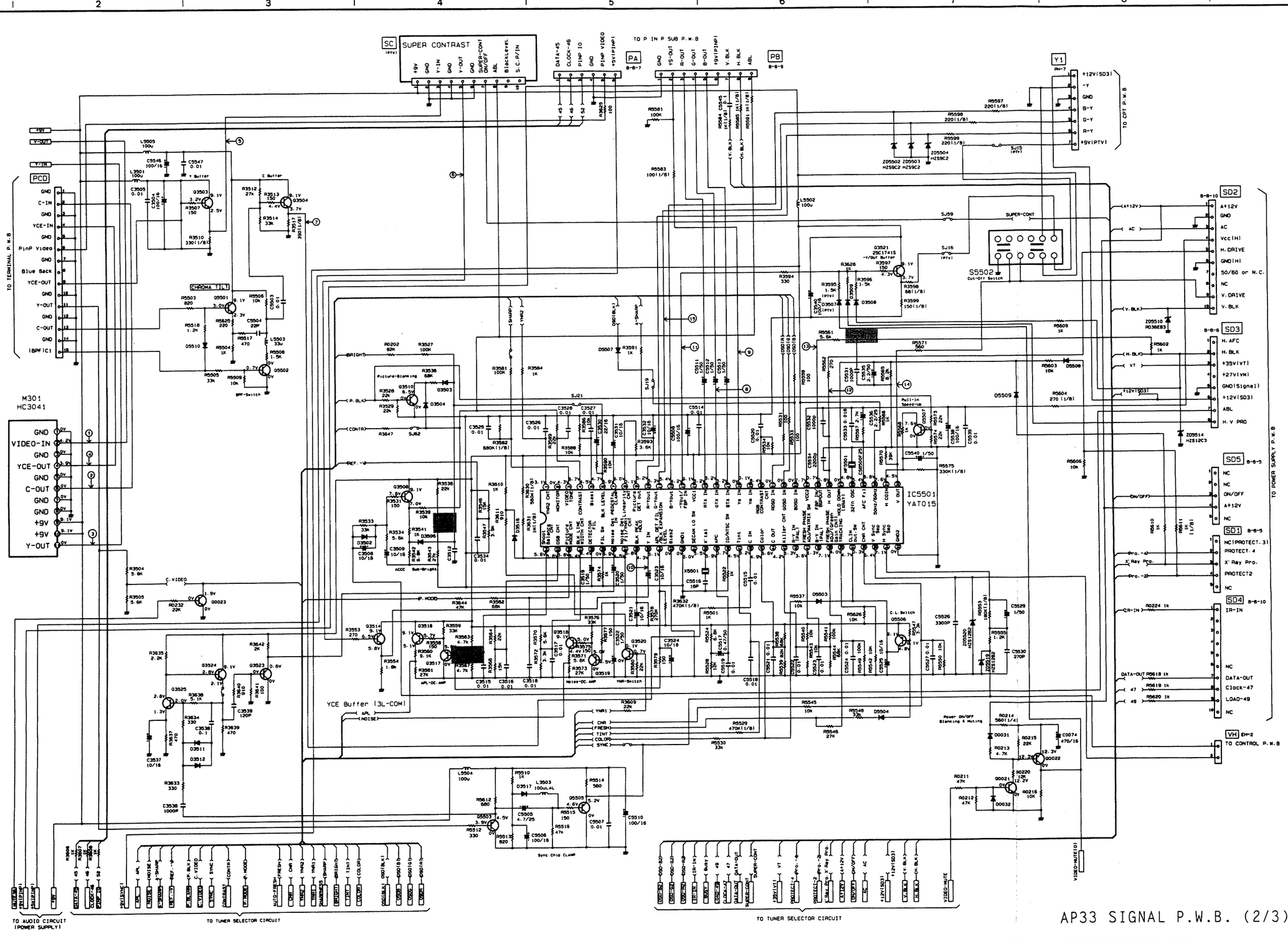

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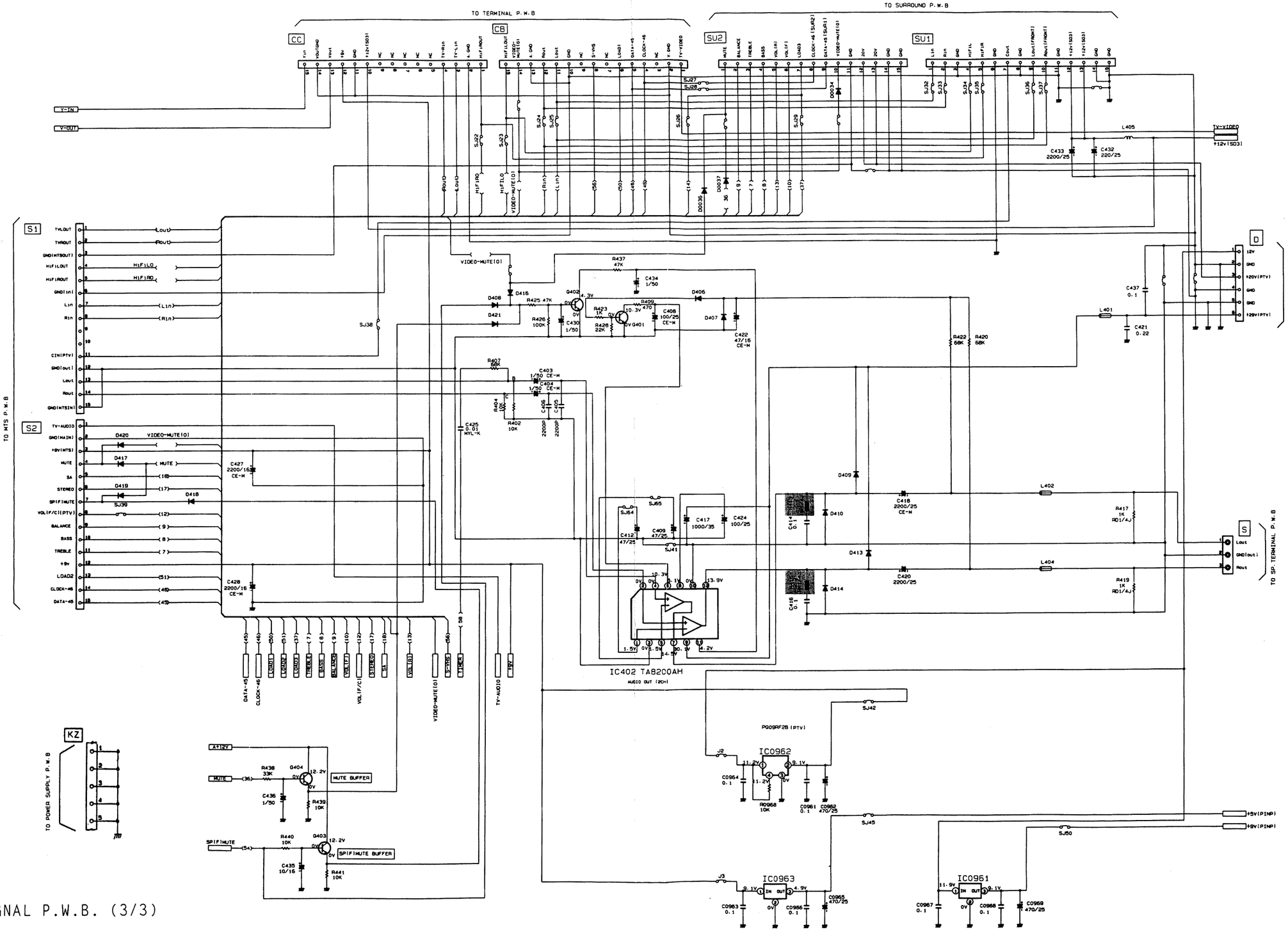

AP33 SIGNAL P.W.B. (3/3)

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BASIC CIRCUIT DIAGRAM

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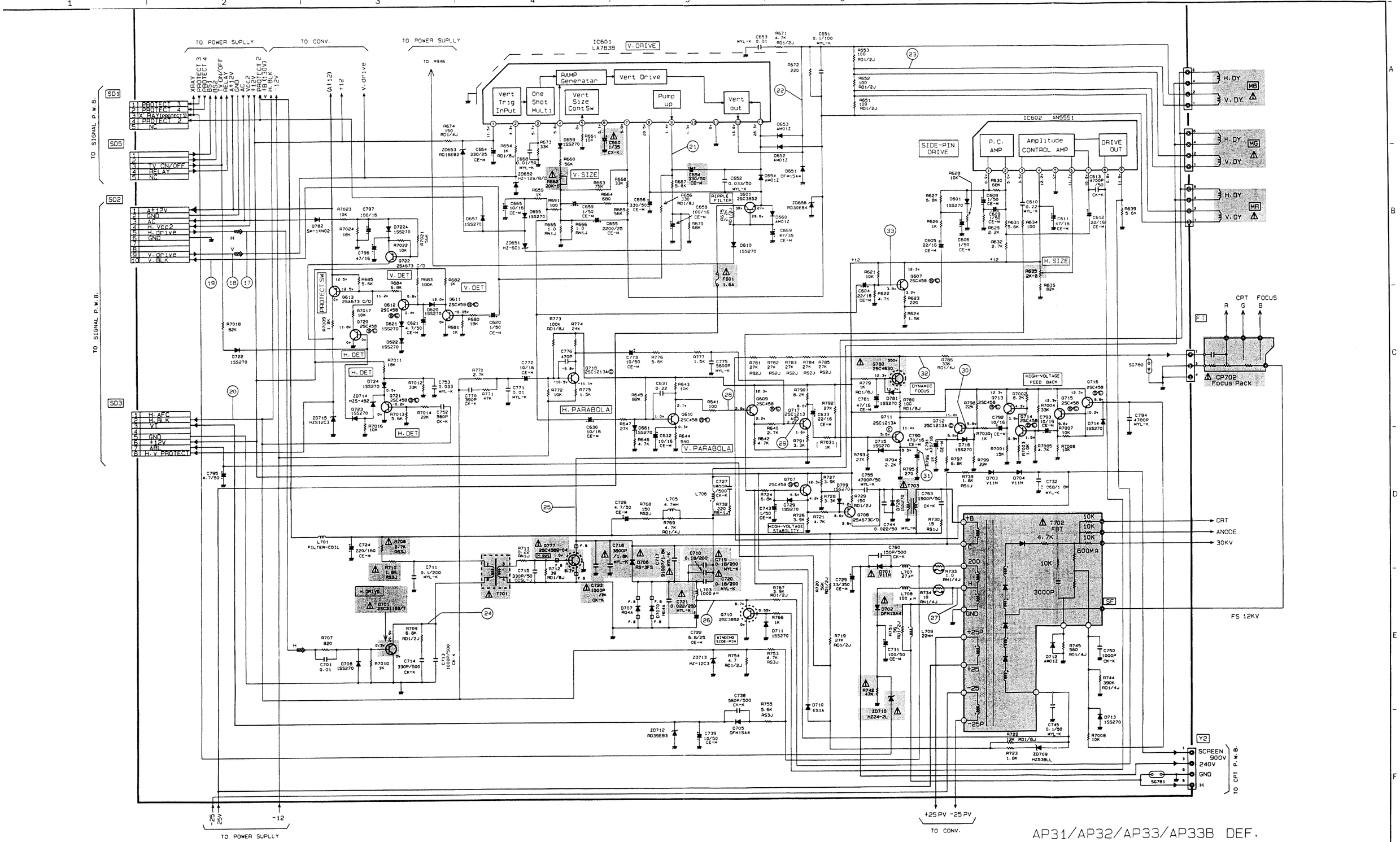

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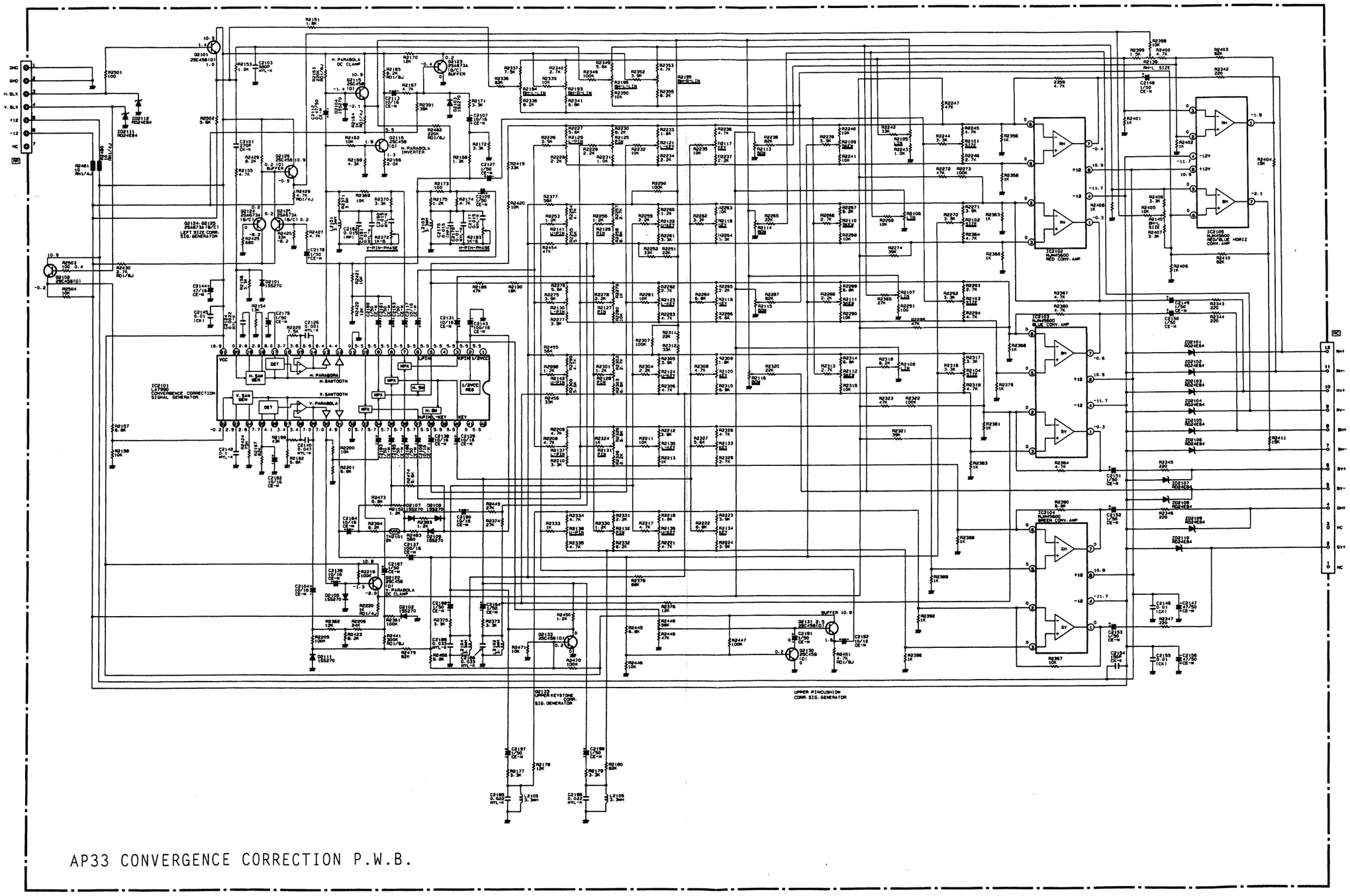

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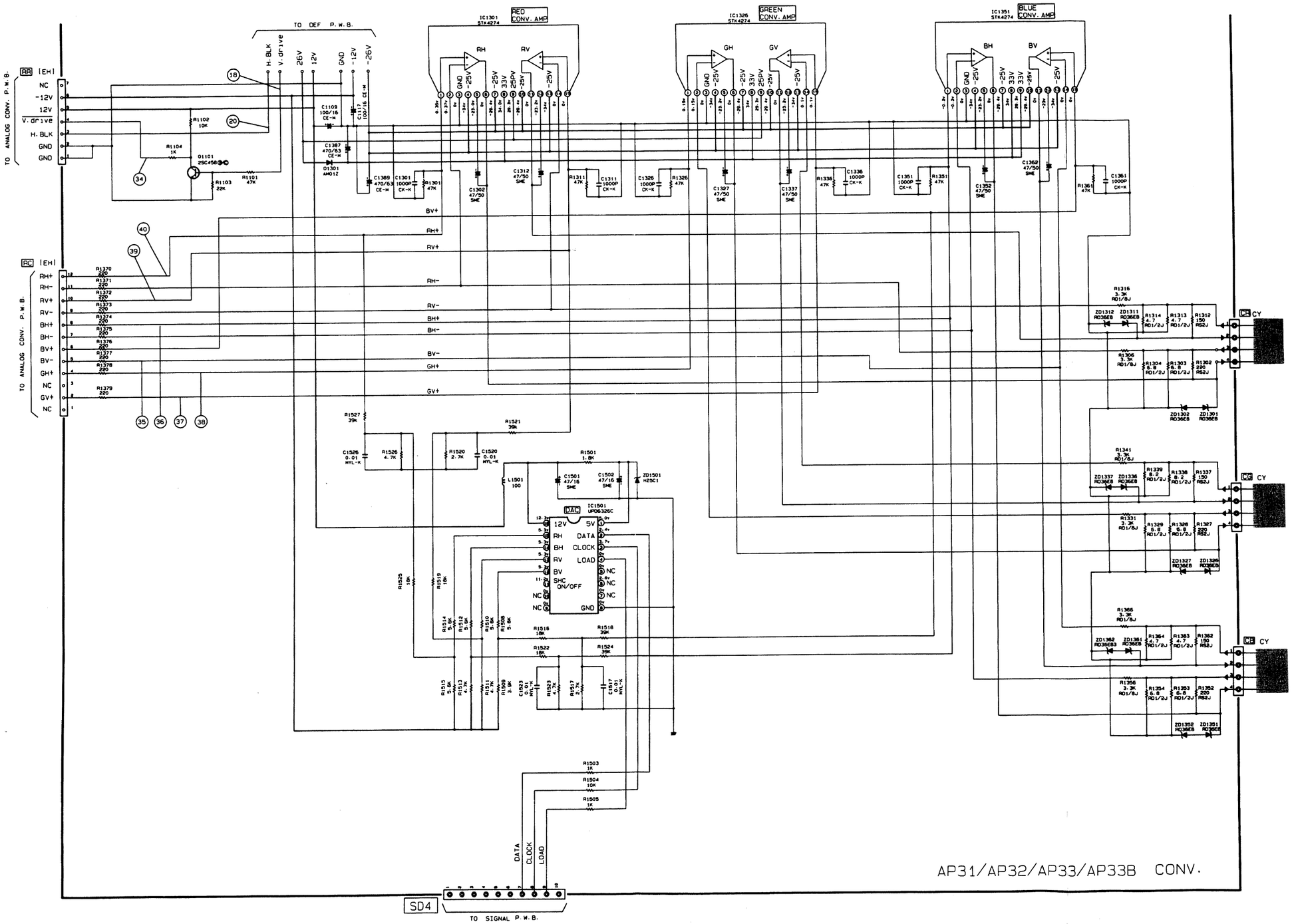

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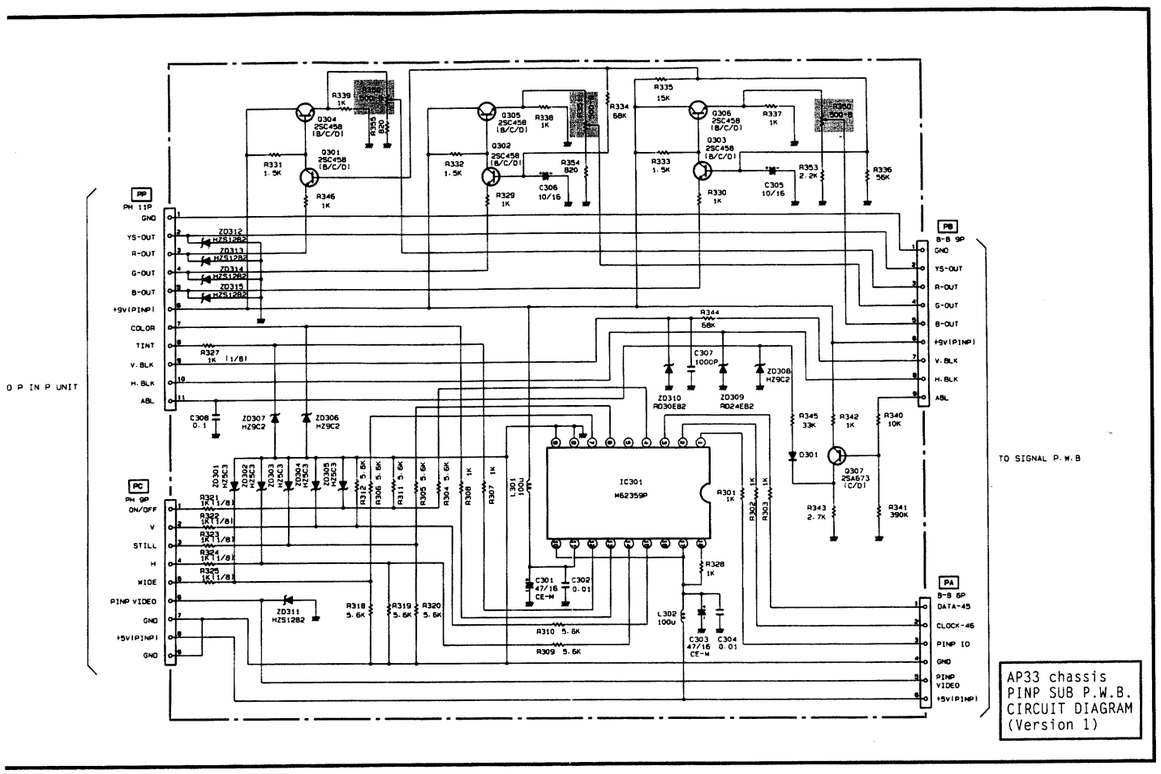

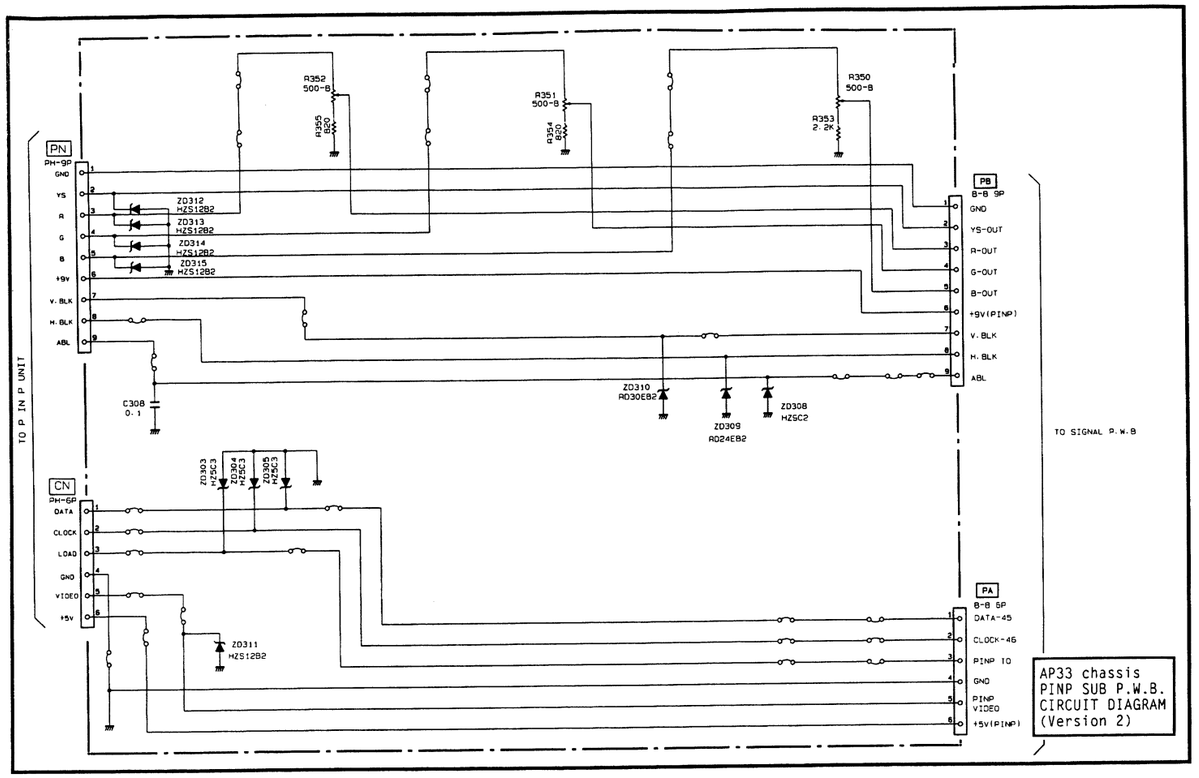

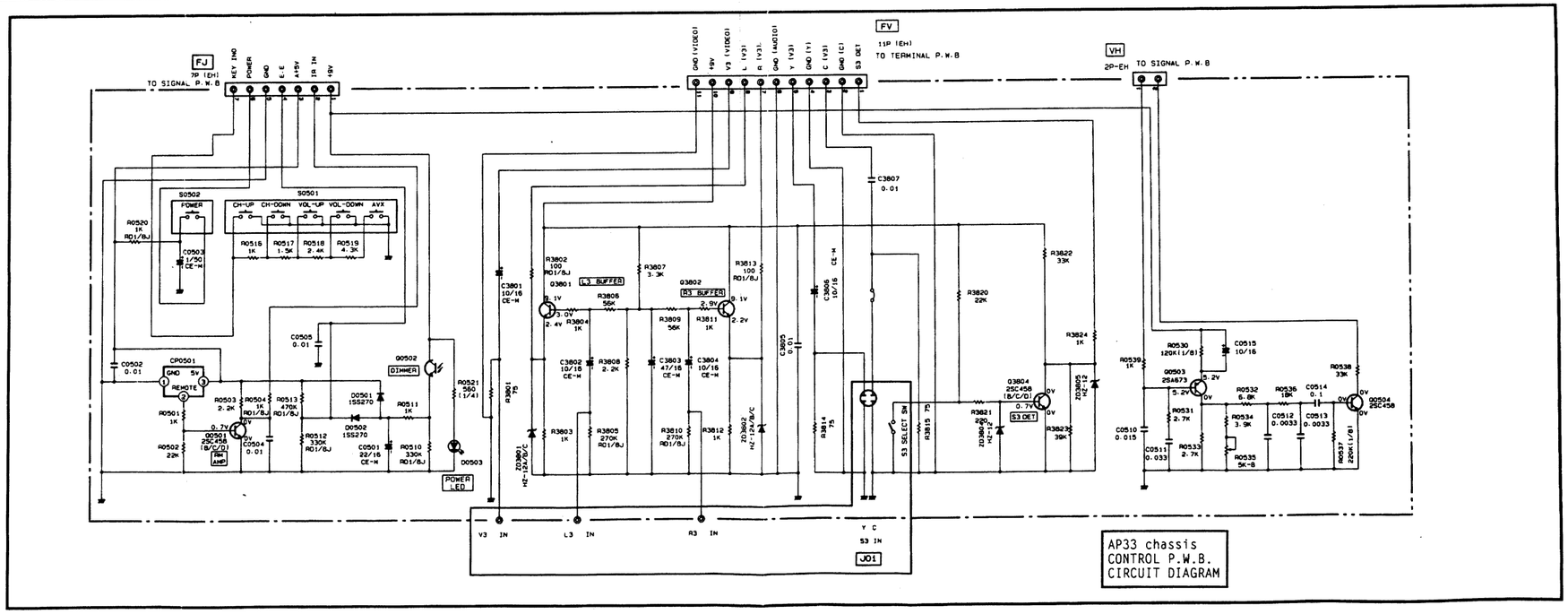

• Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.

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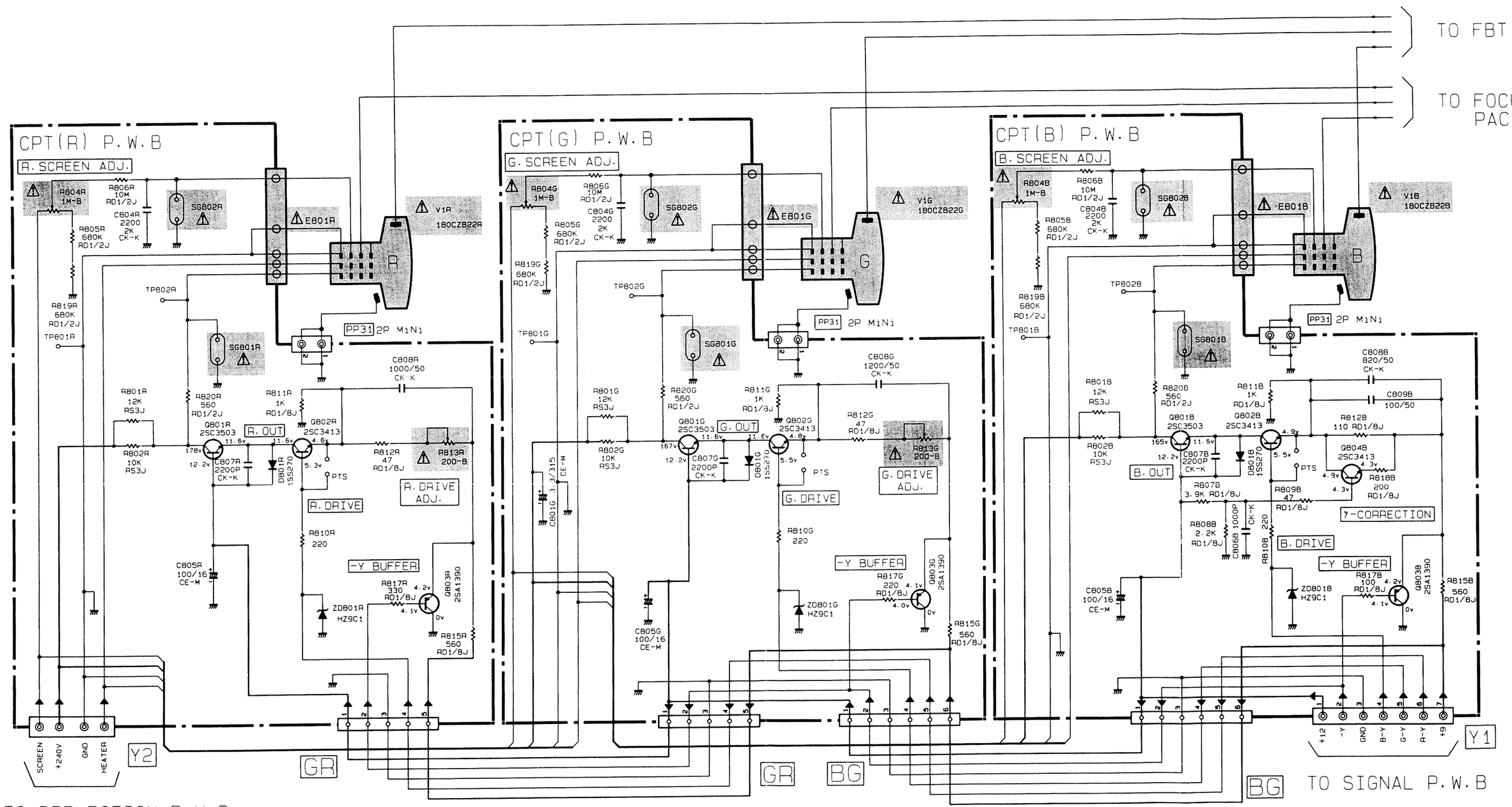

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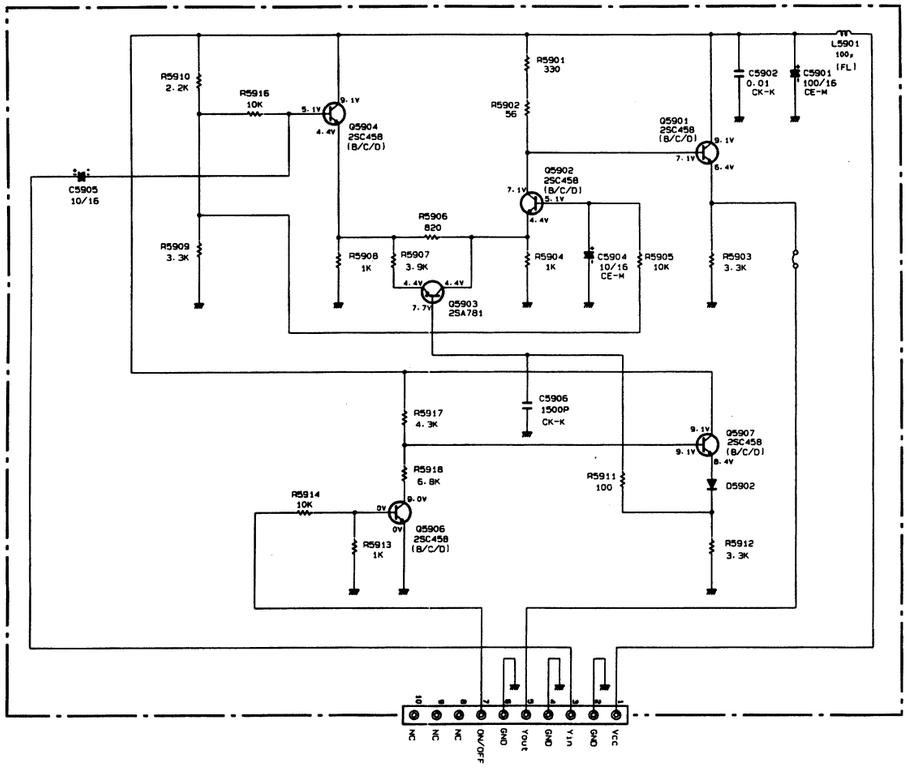
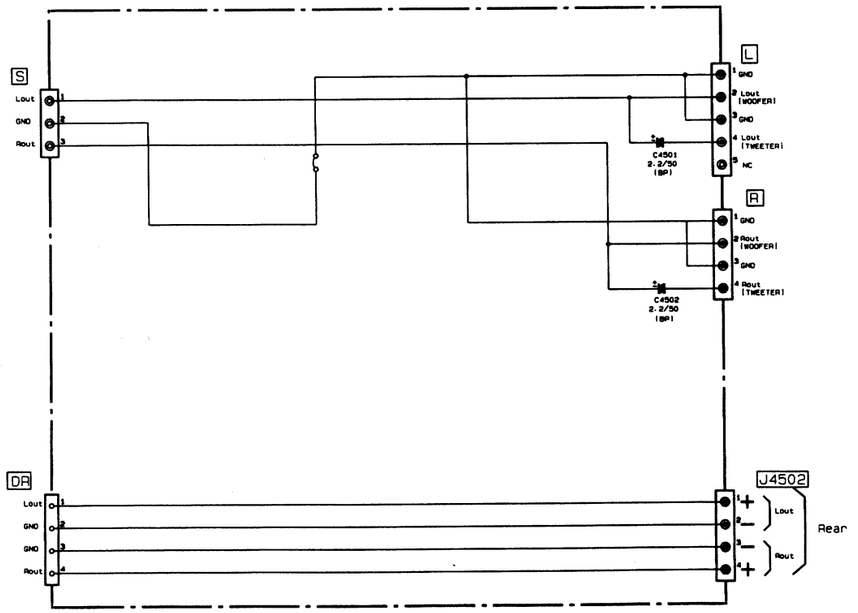


AP33 chassis
SUPEER CONTRAST P.W.B
CIRCUIT DIAGRAM



AP33 chassis
SP. TERMINAL P.W.B
CIRCUIT DIAGRAM

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BASIC CIRCUIT DIAGRAM

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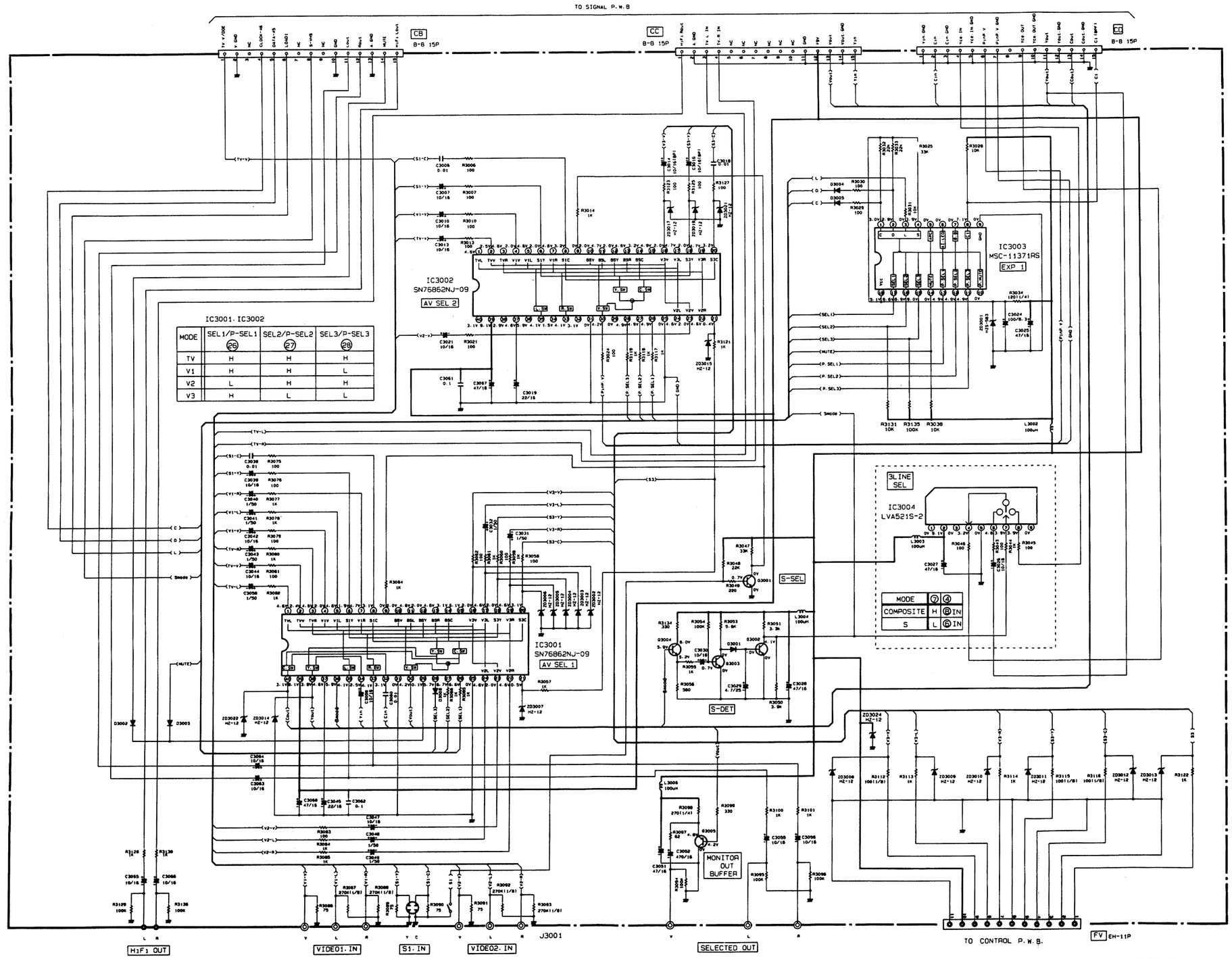

AP33 TERMINAL P.W.B.

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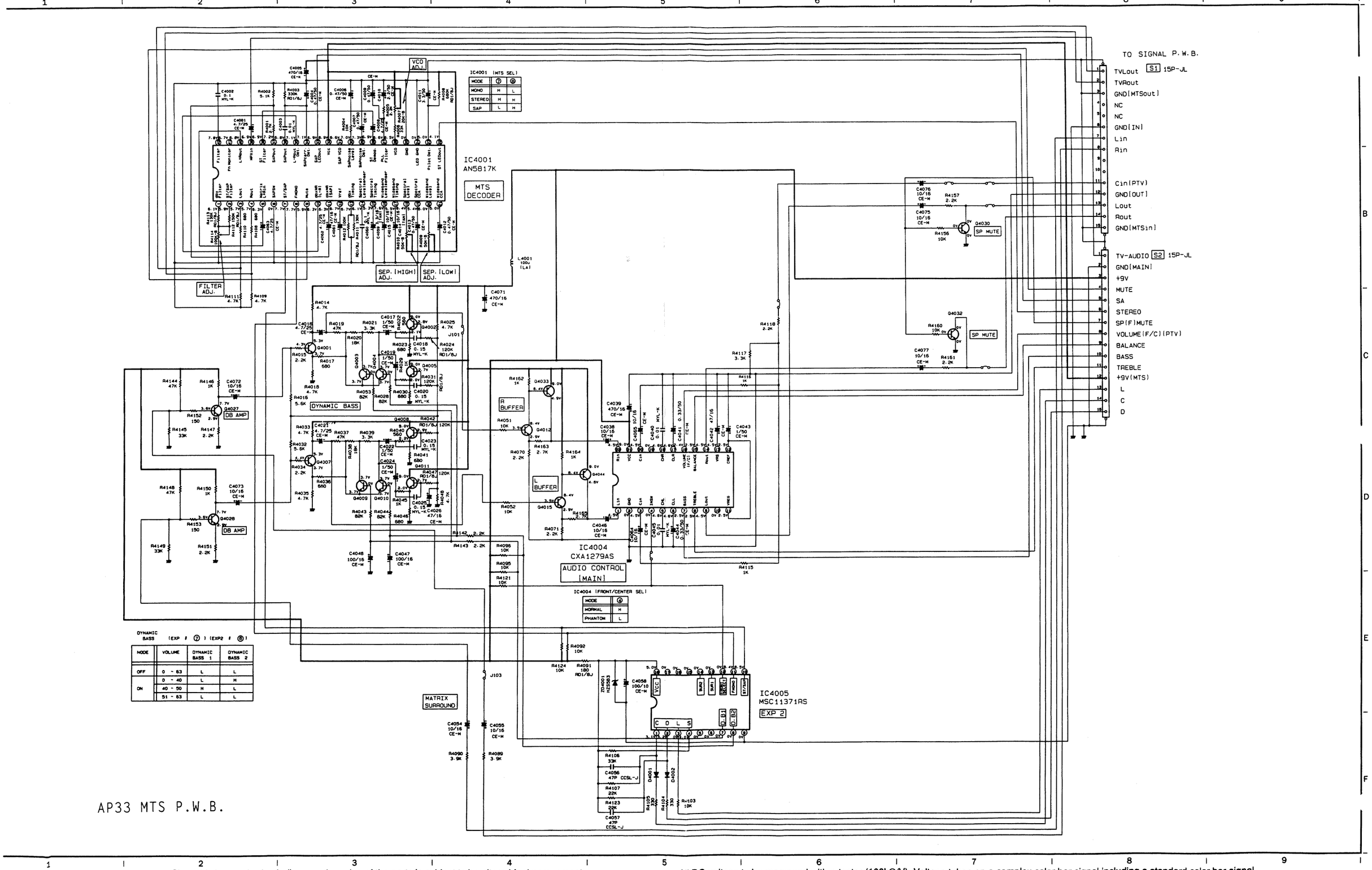

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BASIC CIRCUIT DIAGRAM

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SURROUND MODE	PROLOGIC OFF SEL IC4601 ① ④ ⑤				②	③	SR-1	SR-2	SR-1 Q4618	SR-2 Q4620	MATRIX SEL IC4603 ⑯ ⑰		REVERB ON/OFF	L+R/L-R IC4610 ①	PASSIVE/NR OFF IC4609 ⑤	IC4610 ㊻	FRONT SEL IC4606 ⑫ ⑬	REAR SEL REVERSE SEL IC4609 ⑰	IL-RI AMP SEL IC4609 ⑪	OFF SEL IC4613 ④			Delay Time IC4610 ③ ㊽
OFF	H	H	H	PROLOGIC OFF	H	H	L	H	H	H	(L)	DOLBYS	(L)	OFF	OPEN	L+R	L	DOLBY	L	NON REVERSE	L	NON (L-R) AMP	H	OFF	OPEN	20mS
DOLBY	X	X	X		X	X	L	H	L	L	L	DOLBYS	L	OFF	OPEN	L+R	L	DOLBY	L	NON REVERSE	L	NON (L-R) AMP	L	DOLBY/HALL/MATRIX	OPEN	20mS
HALL	(H)	(H)	(L)	(PHANTOM)	(H)	(H)	H	L	H	H	L	R	OPEN	ON	L	L+R	H	HALL	H	REVERSE	L	NON (L-R) AMP	L	DOLBY/HALL/MATRIX	OPEN	20mS
MATRIX	(H)	(H)	(L)	(PHANTOM)	(H)	(H)	H	H	L	L	H	L+R	OPEN	ON	OPEN	L+R	H		H	NR OFF	H	HALL/MATRIX	H	REVERSE	H	(L-R) AMP	L	DOLBY/HALL/MATRIX	OPEN	20mS

① ②③ Pin H-H WITHOUT DOLBY TEST.

CENTER MODE

MODE	④	⑤	①
PROLOGIC OFF	H	H	H
PHANTOM	H	L	X
NORMAL	L	L	X

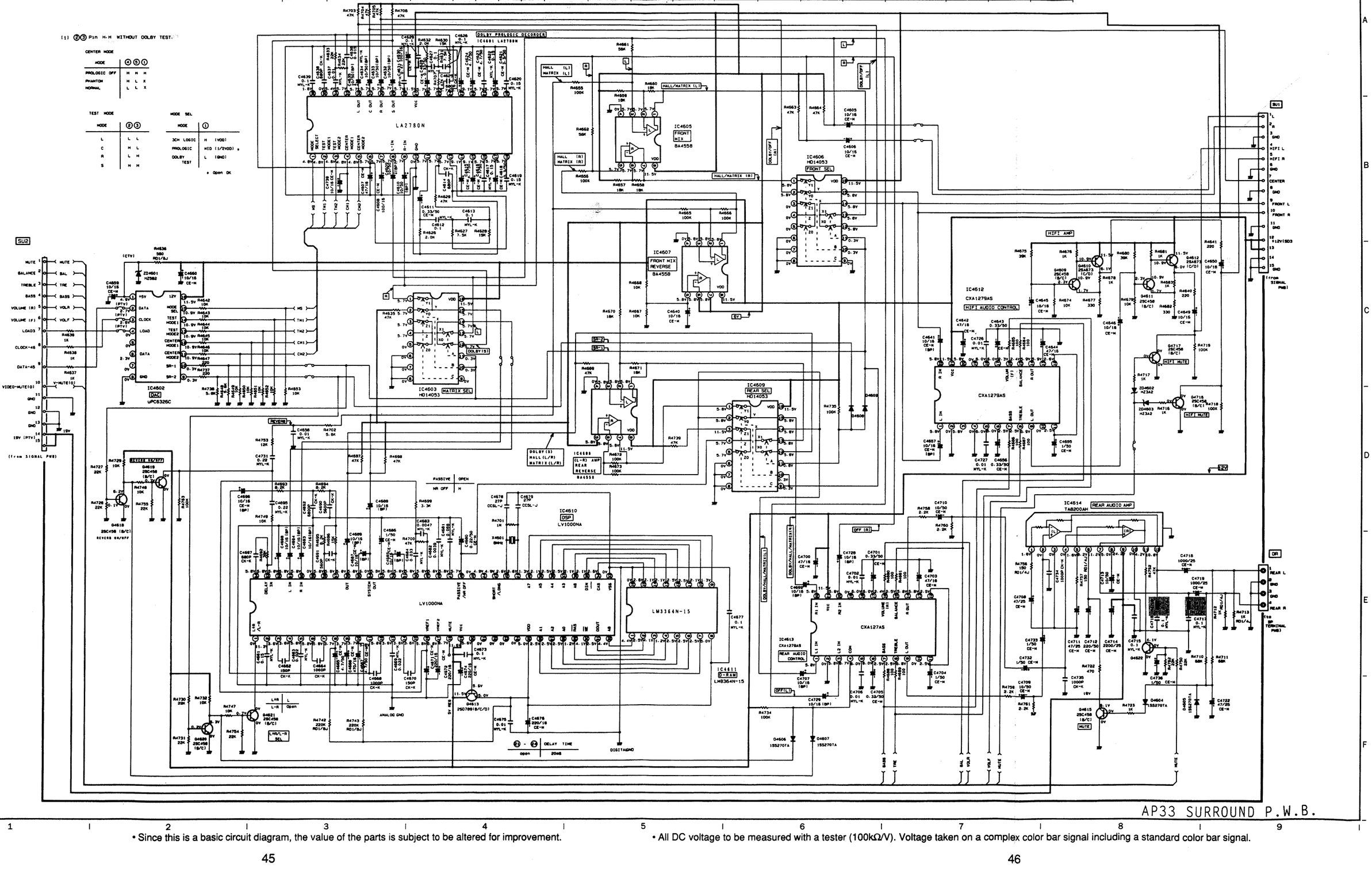
TEST MODE

MODE	②	③
L	L	L
C	H	L
R	L	H
S	H	H

MODE SEL

MODE	①
3CH LOGIC	H (VDD)
PROLOGIC	MID (1/2VDD) *
DOLBY TEST	L (GND)

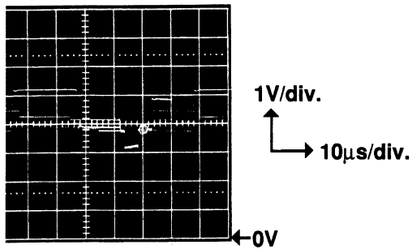
* Open OK



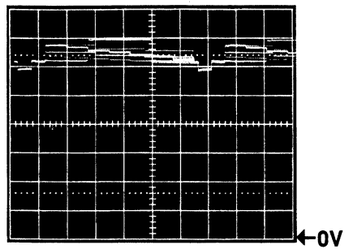
• Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.

• All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.

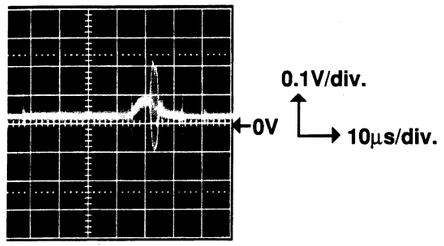
01 pin 2
deo in)



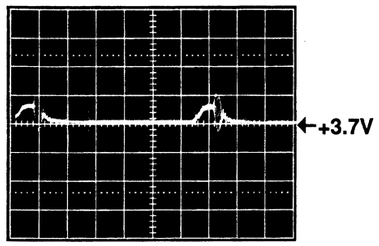
⑥ SC-connector pin 5
(Super Contrast Y-out)



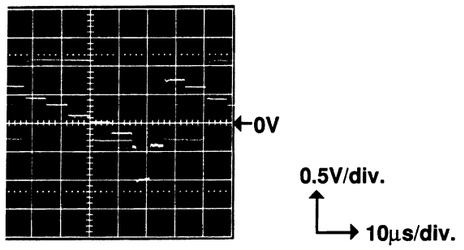
01 pin 6
·out)



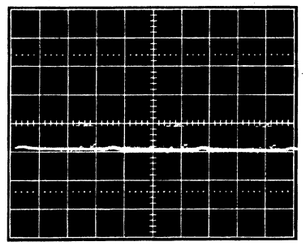
⑦ Q3504 emitter
(C-buffer)



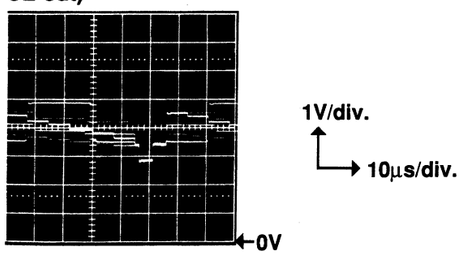
01 pin 11
·out)



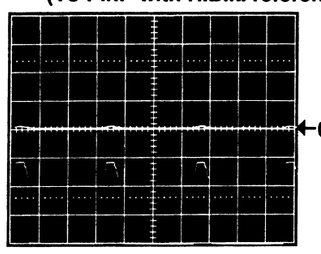
⑧ IC5501 pin 16
(GTX in, PinP on)



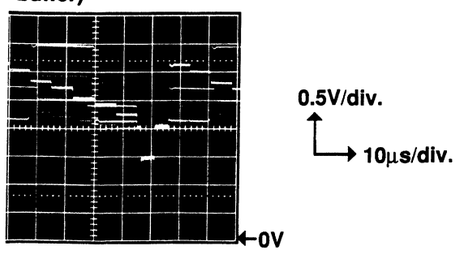
301 pin 4
CE-out)



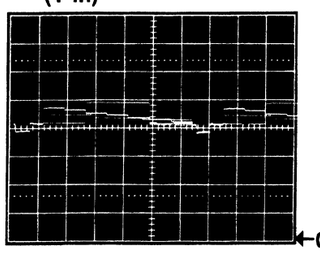
⑨ IC5501 pin 18
(Ys-PinP with H.Blk. reference)



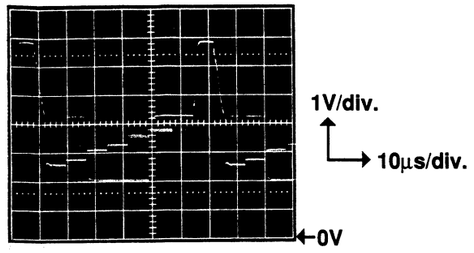
3503 Emitter
-buffer)



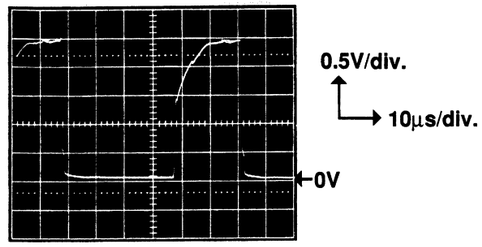
⑩ IC5501 pin 55
(Y-in)



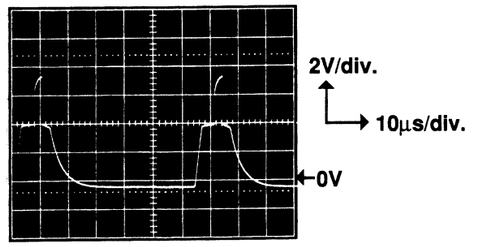
⑪ IC5501 pin 13
(-Y out)



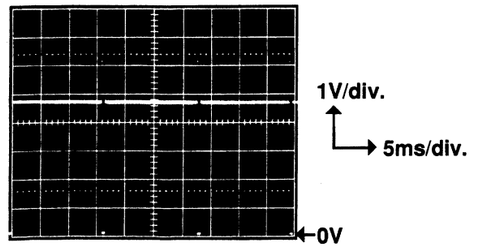
⑫ IC5501 pin 26
(H-out)



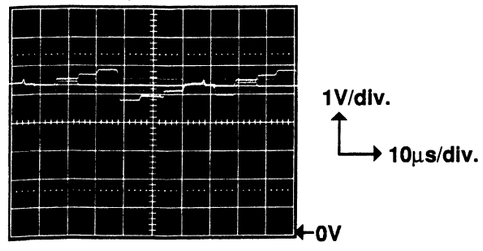
⑬ IC5501 pin 25
(FB Pin)



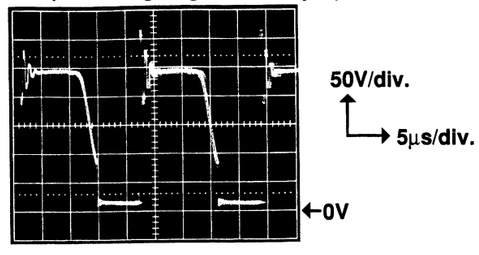
⑭ IC5501 pin 32
(V out)



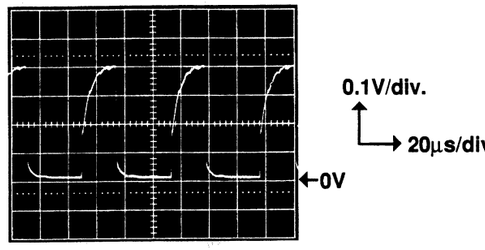
⑮ IC5501 pin 11
(G-Y out)



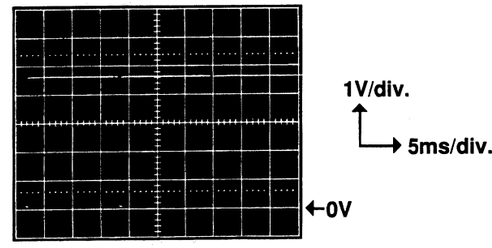
⑯ IC901 pin 1
(Switching Regulator Output)



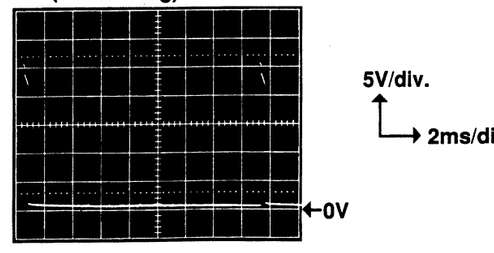
⑰ SD2 connector pin 5
(H. Drive)



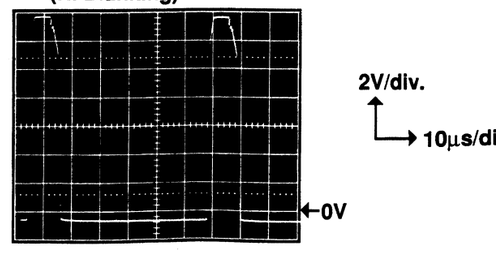
⑱ SD2 connector pin 9
(V. Drive)



⑲ SD2 connector pin 10
(V. Blanking)

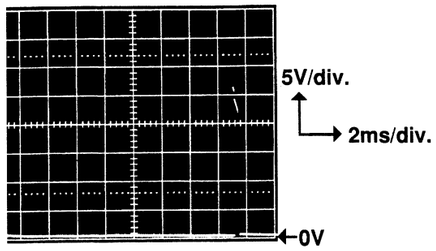


⑳ SD3 connector pin 2
(H. Blanking)

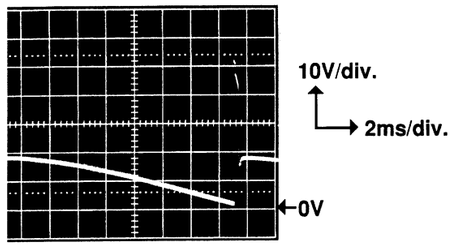


WAVEFORMS AT EACH SECTION

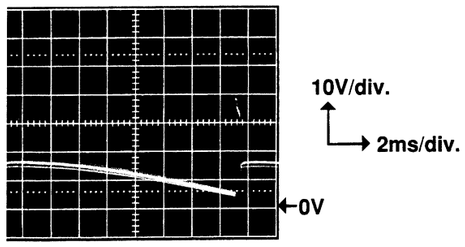
① IC601 pin 9
(V. pump-up)



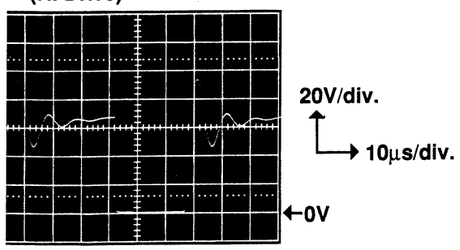
② IC601 pin 12
(V.-out)



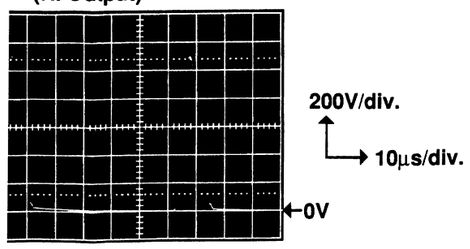
③ MB-connector pin 1
(V.DY-Blue)



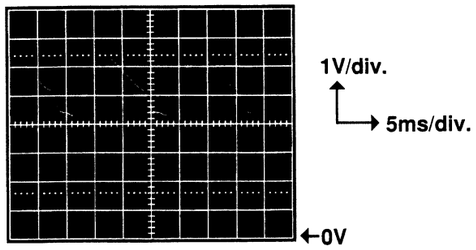
④ Q701 Collector
(H. Drive)



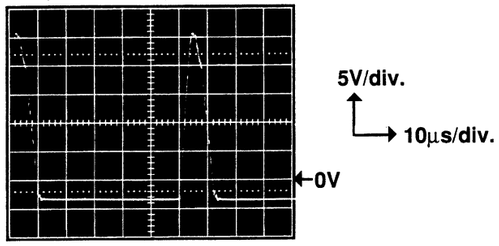
⑤ Q777 Collector
(H. Output)



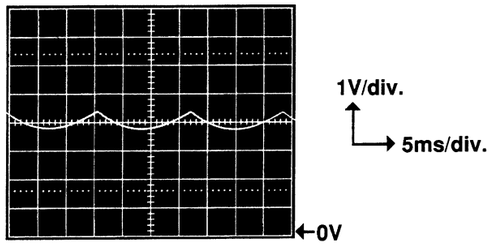
㉖ Q710 Collector



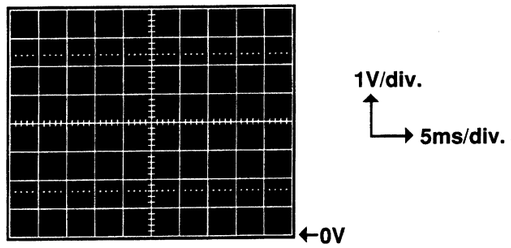
㉗ FBT pin H
(CPT Heater)



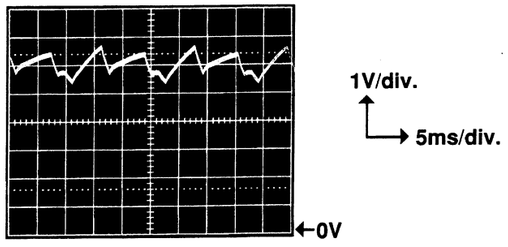
㉘ Q609 Base



㉙ Q717 Base

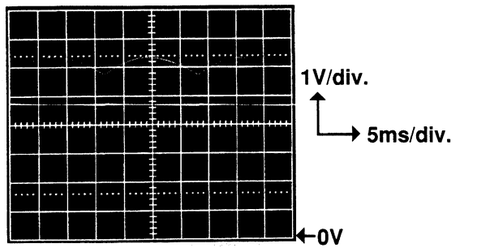


㉚ Q712 Base

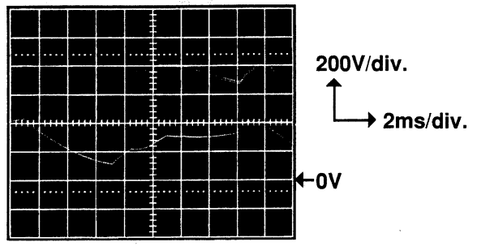


WAVEFORMS AT EACH SECTION

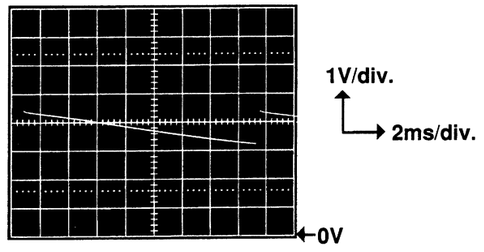
㉛ Q711 Emitter



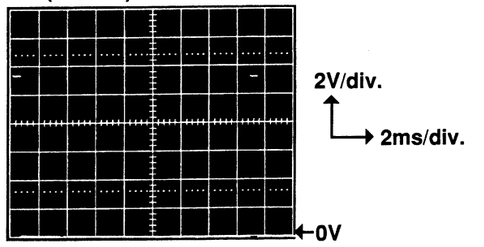
㉜ Q780 Collector
(Dynamic Focus)



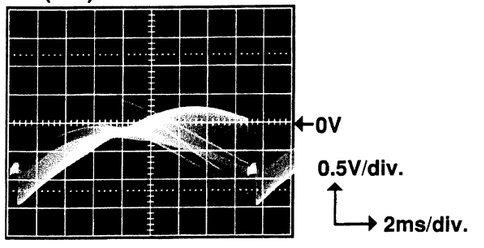
㉝ Q607 Base



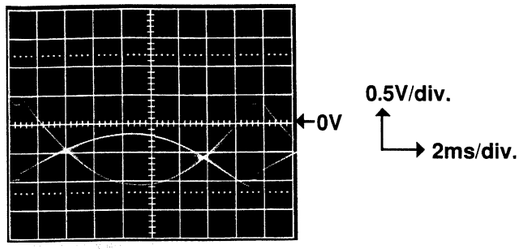
㉞ RR connector pin 4
(V Drive)



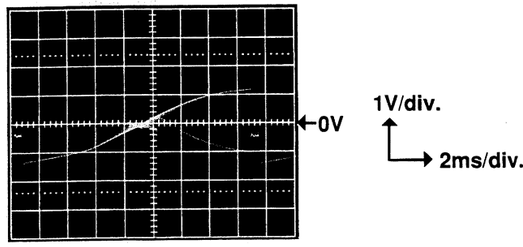
㉟ IC1351 pin 14
(BV-)



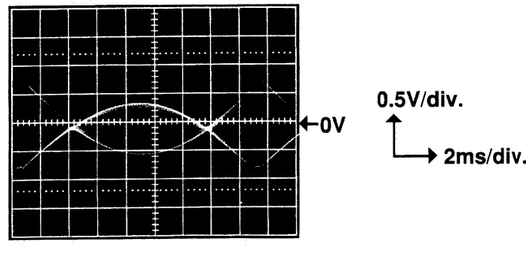
㊱ IC1351 pin 1
(BH+)



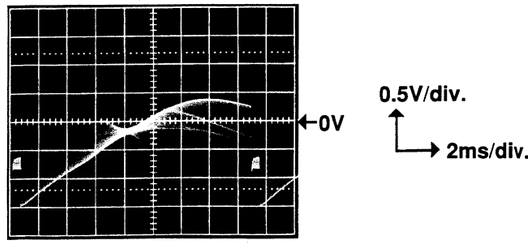
㊲ IC1326 pin 15
(GV+)



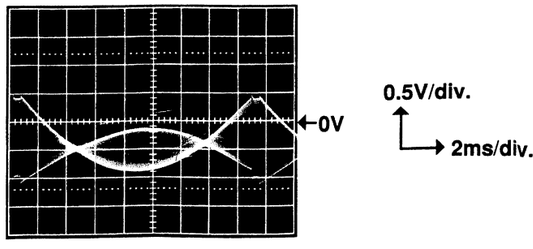
㊳ IC1326 pin 1
(GH+)



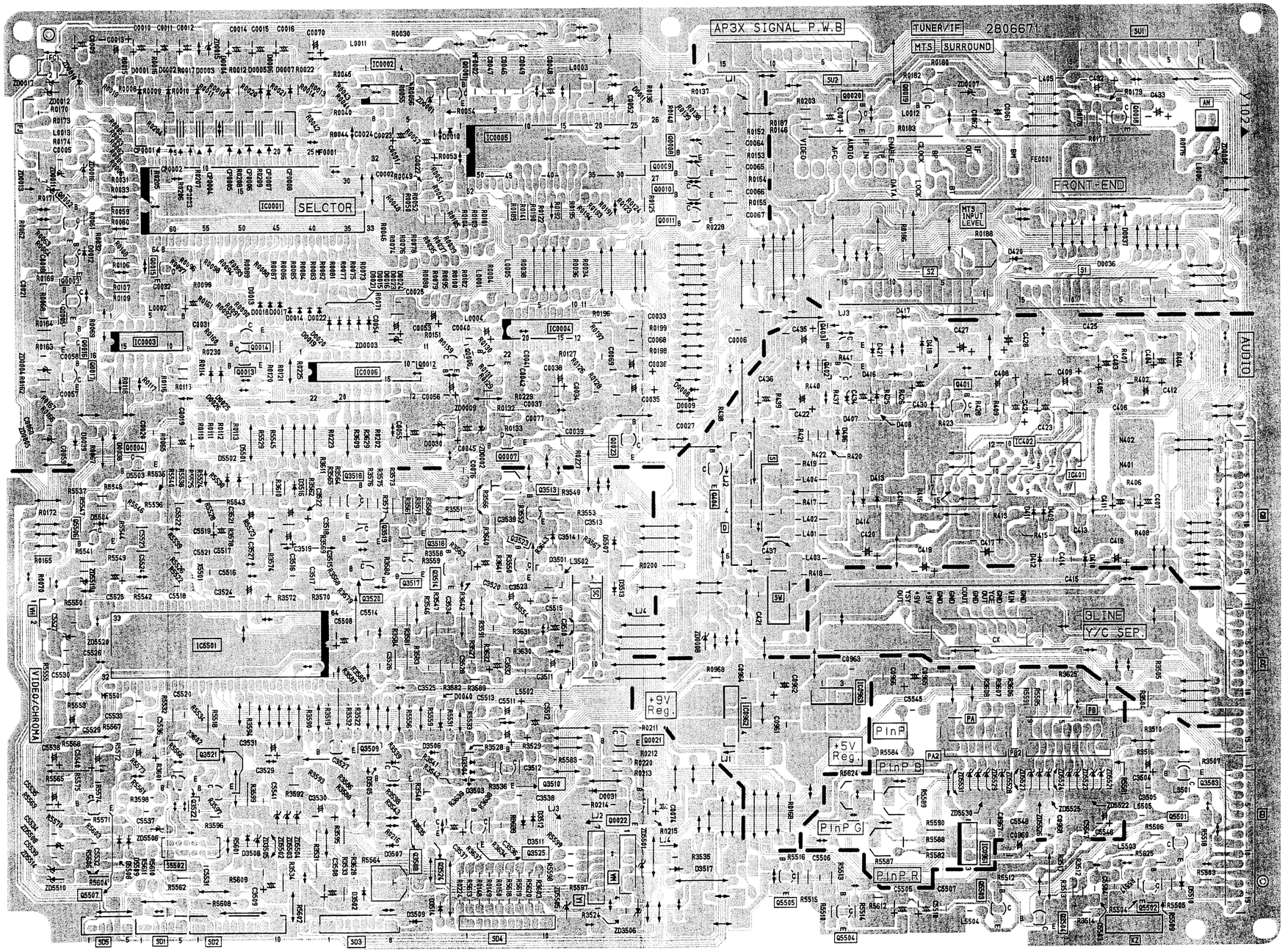
㊴ IC1301 pin 15
(RV+)



㊵ IC1301 pin 1
(RH+)

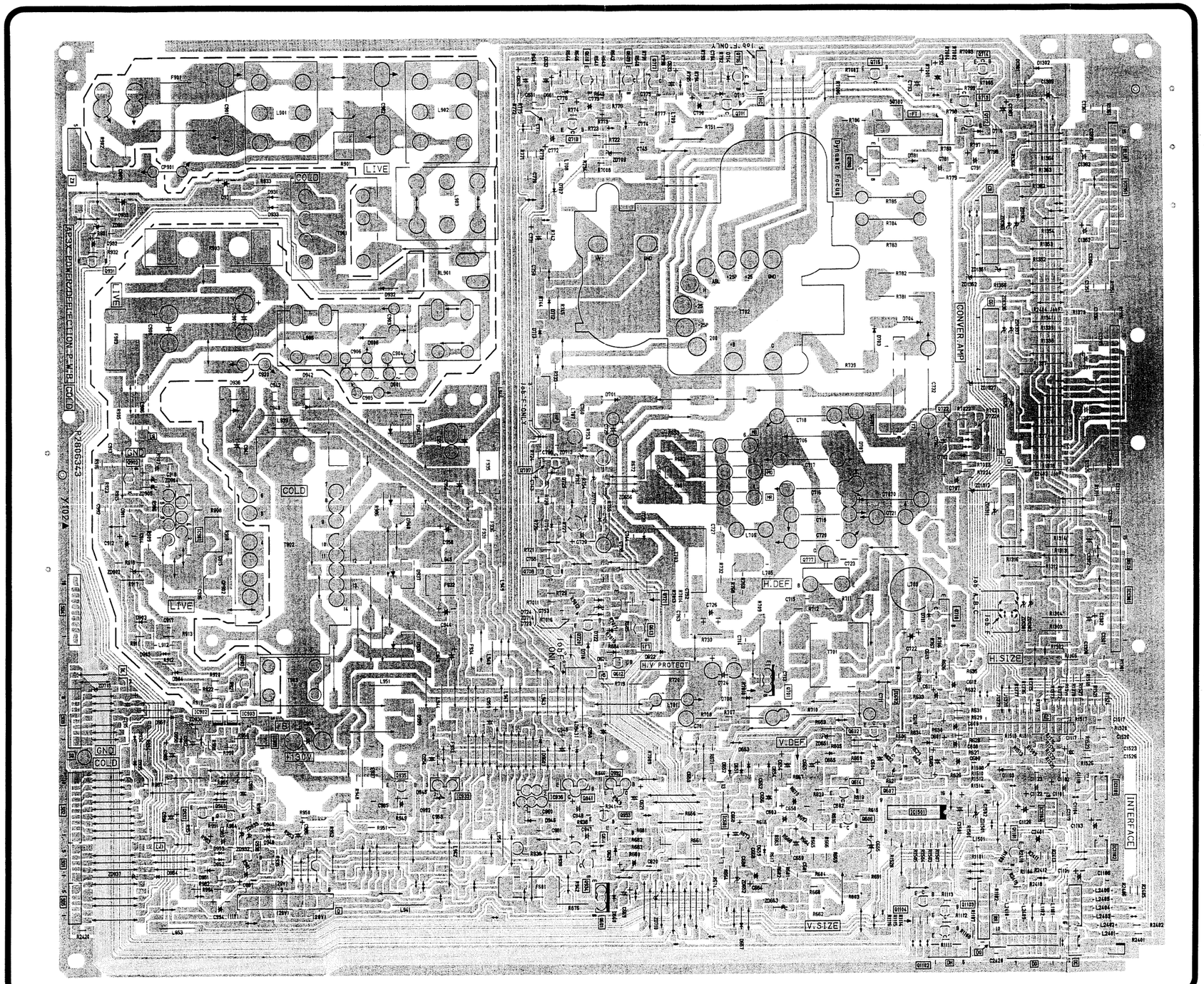


SIGNAL P.C.B.


AP3X SIGNAL P.W.B
TUNER/IF
2806671
MTS
SURROUND
SU1
SU2
FRONT-END
MTS INPUT LEVEL
AUDIO
SELCTOR
IC0001
IC0002
IC0003
IC0004
IC0005
IC0006
IC5501
IC401
IC402
9LINE Y/C SEP.
VIDEO/CHROMA
+9V Reg.
+5V Reg.
PinP
PinP B
PinP G
PinP R
SD1
SD2
SD3
SD4
SD5
S1
S2
PA
PB
PA2
PB2
K2

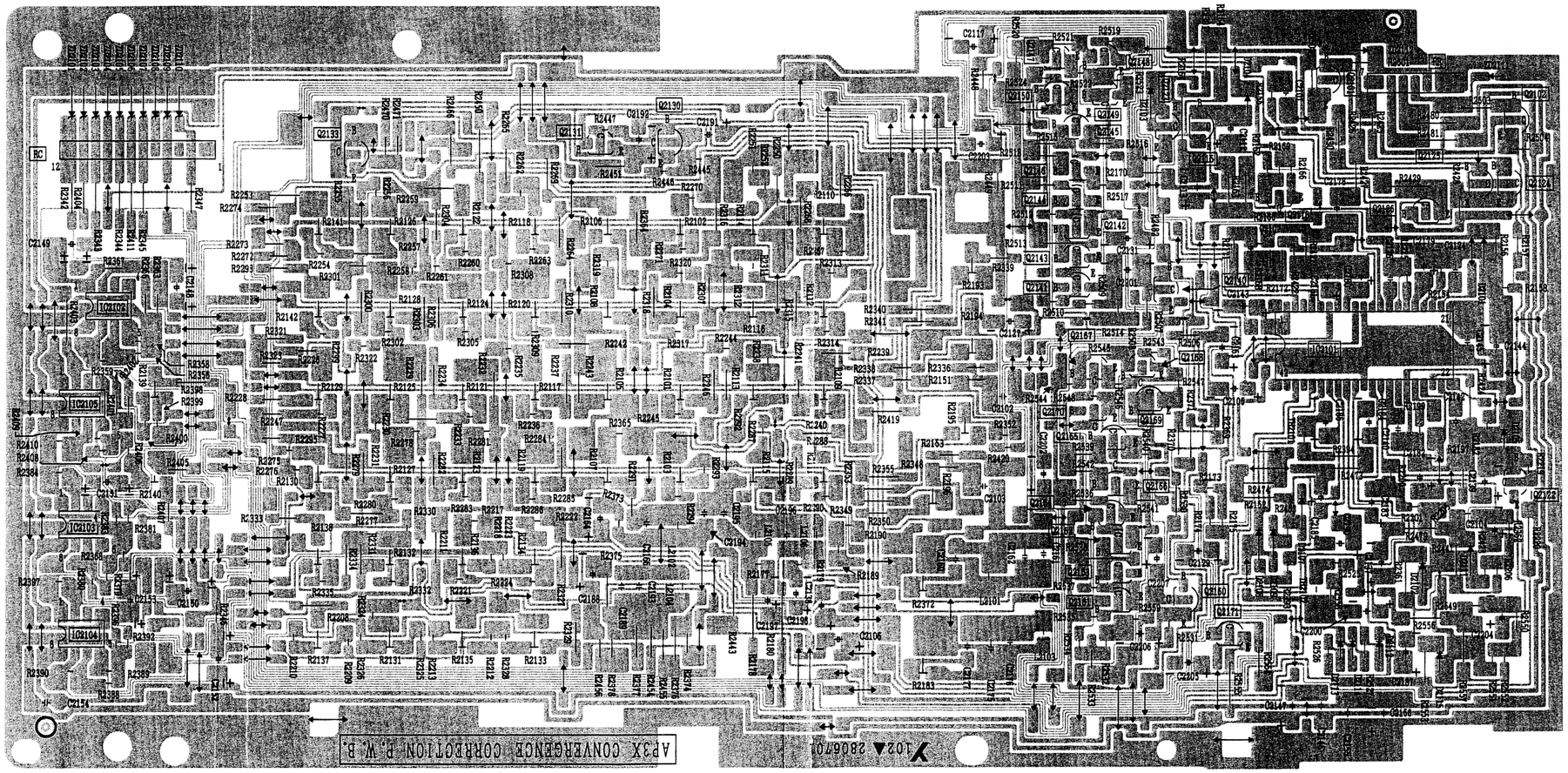
PRINTED CIRCUIT BOARD

POWER/DEFLECTION P.C.B.



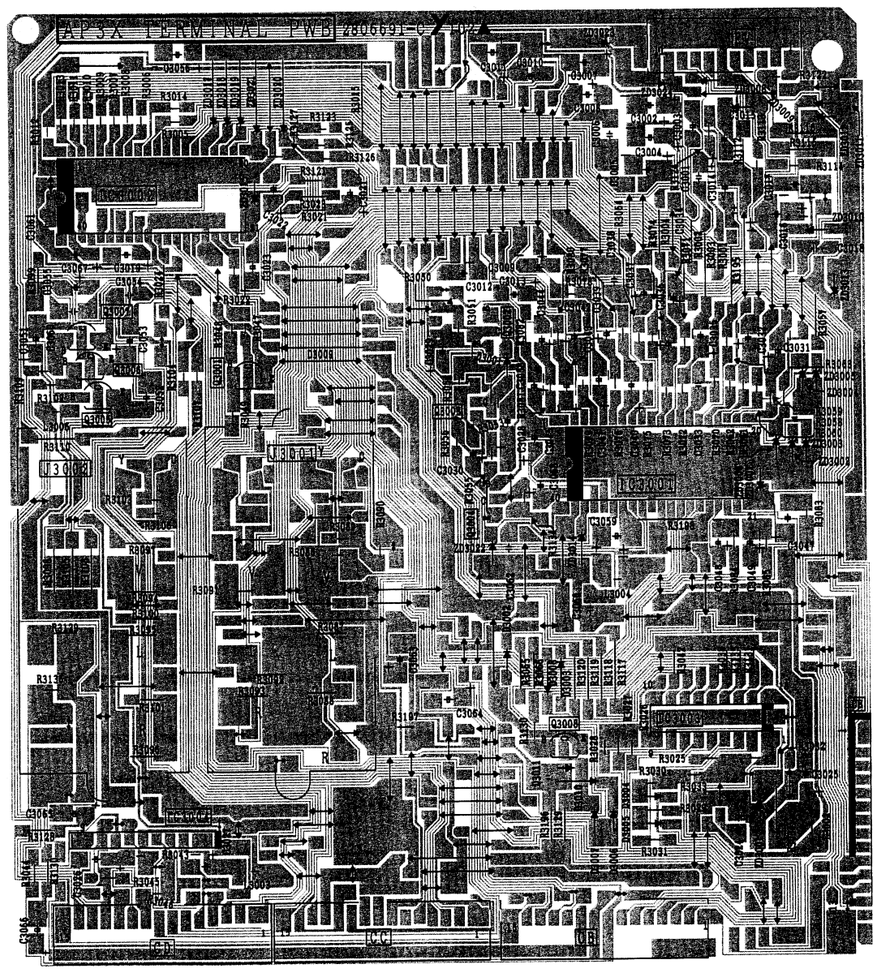
PRINTED CIRCUIT BOARD

CONVERGENCE CORRECTION P.C.B.

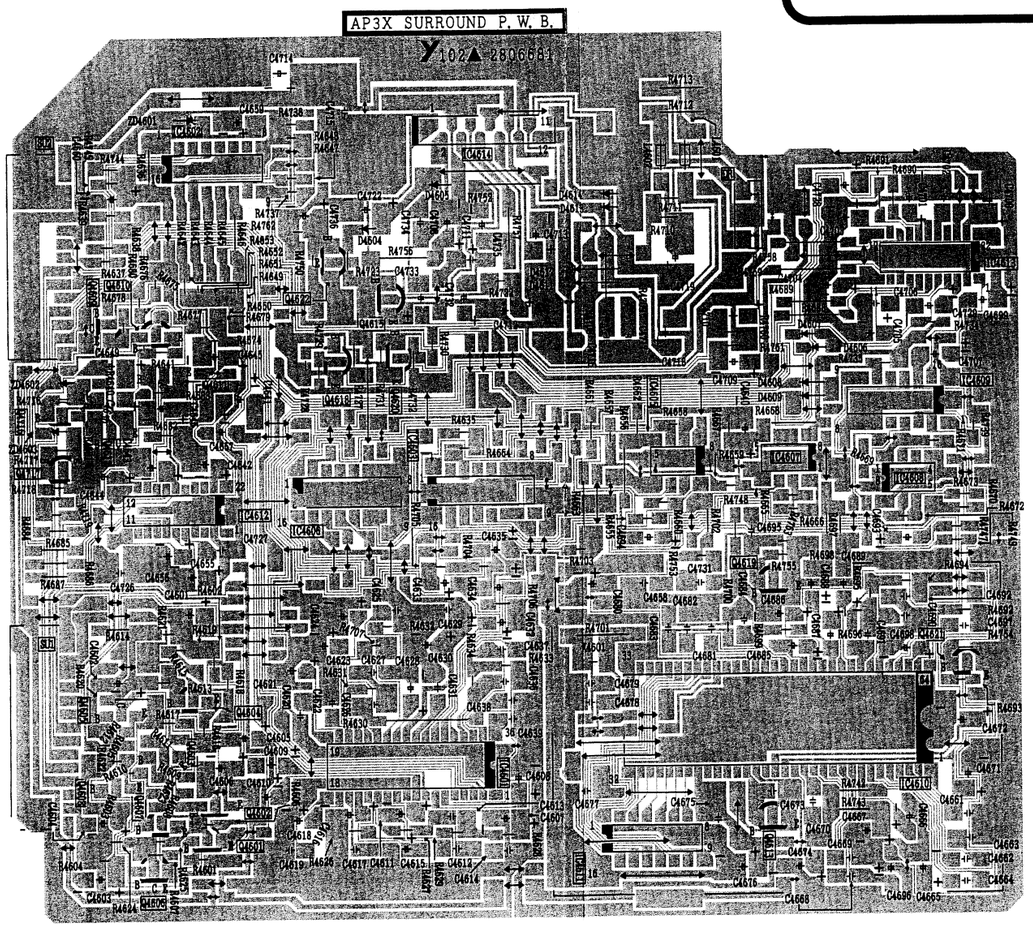


PRINTED CIRCUIT BOARD

TERMINAL P.C.B.

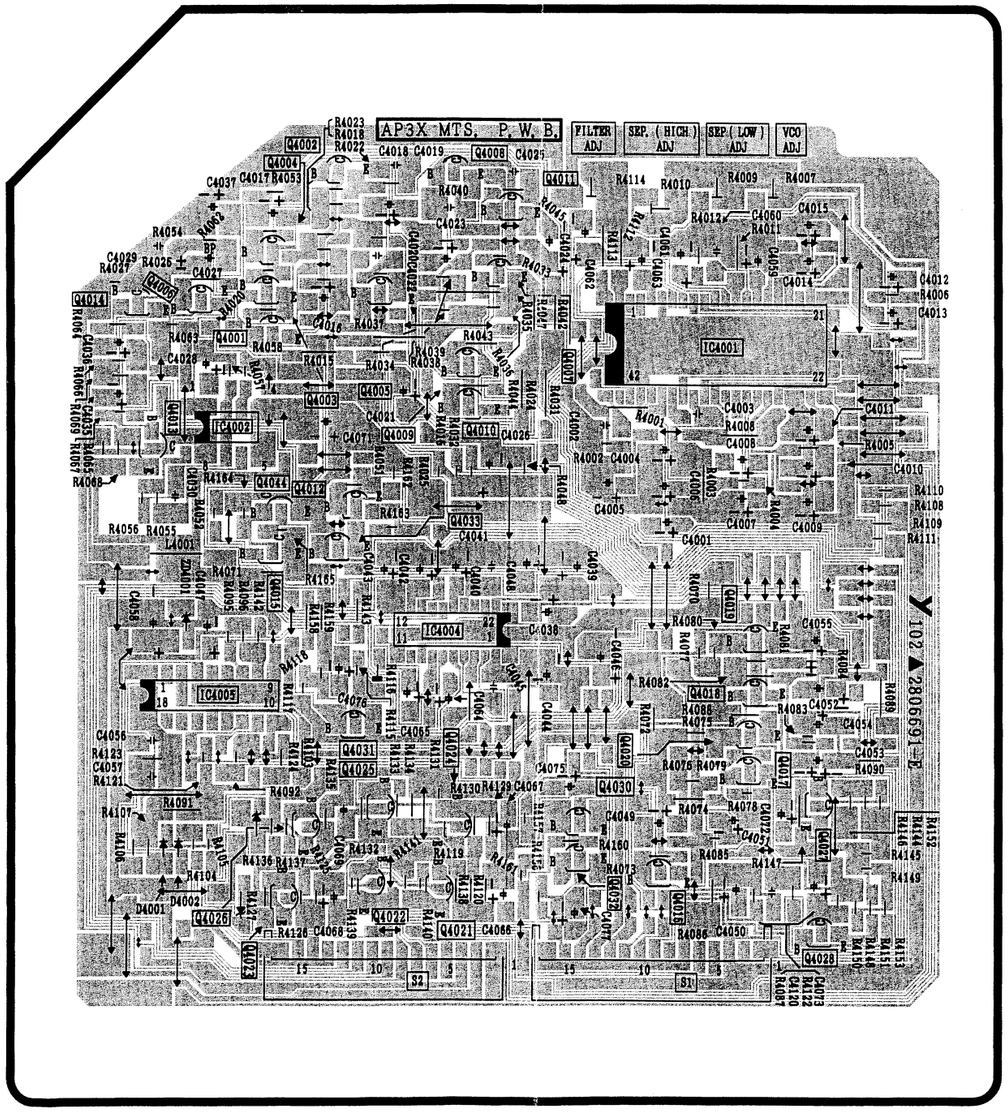


SURROUND P.C.B.

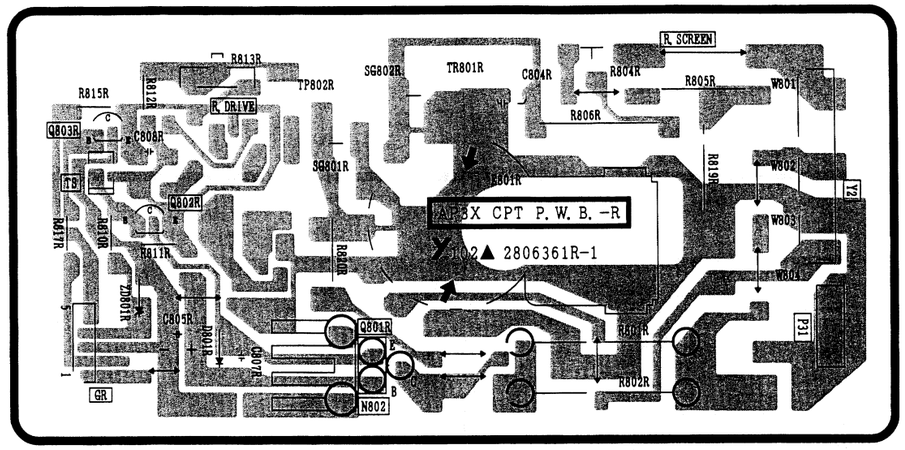


PRINTED CIRCUIT BOARD

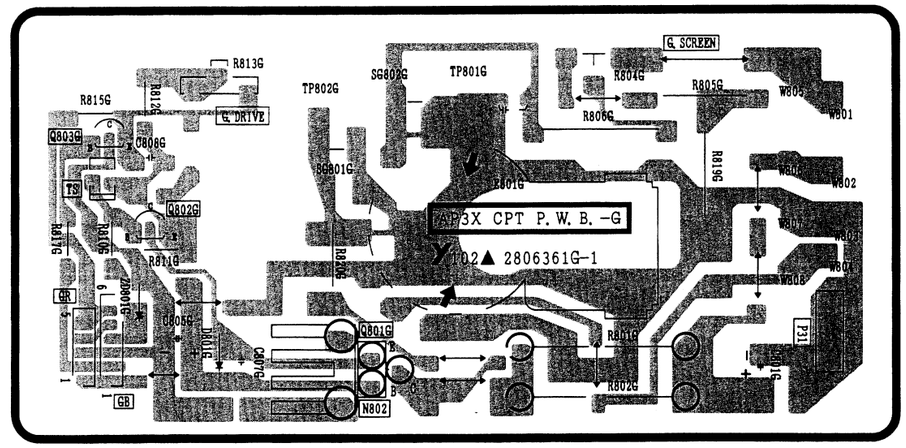
MTS P.C.B.



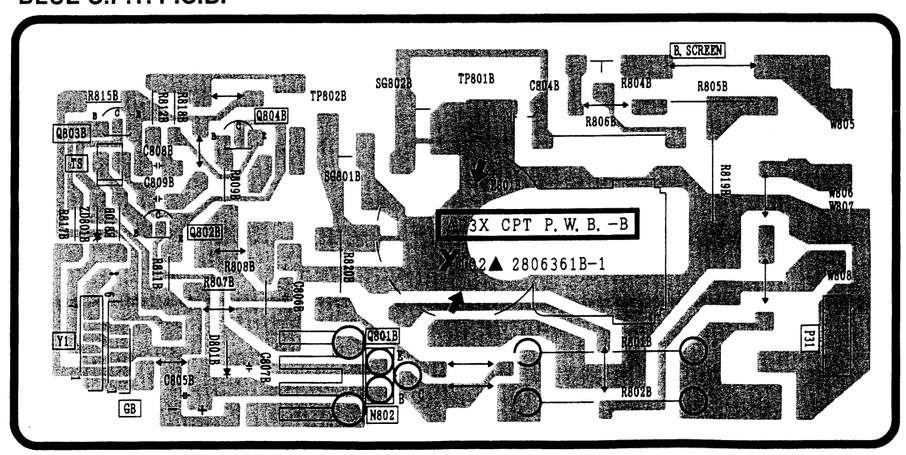
RED C.P.T. P.C.B.



GREEN C.P.T. P.C.B.

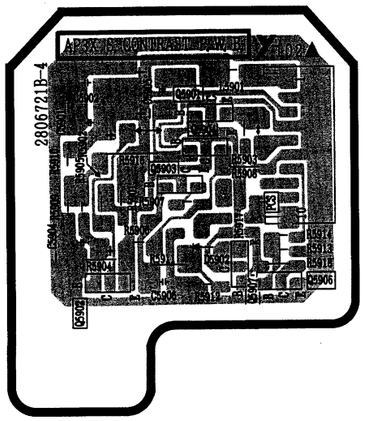


BLUE C.P.T. P.C.B.

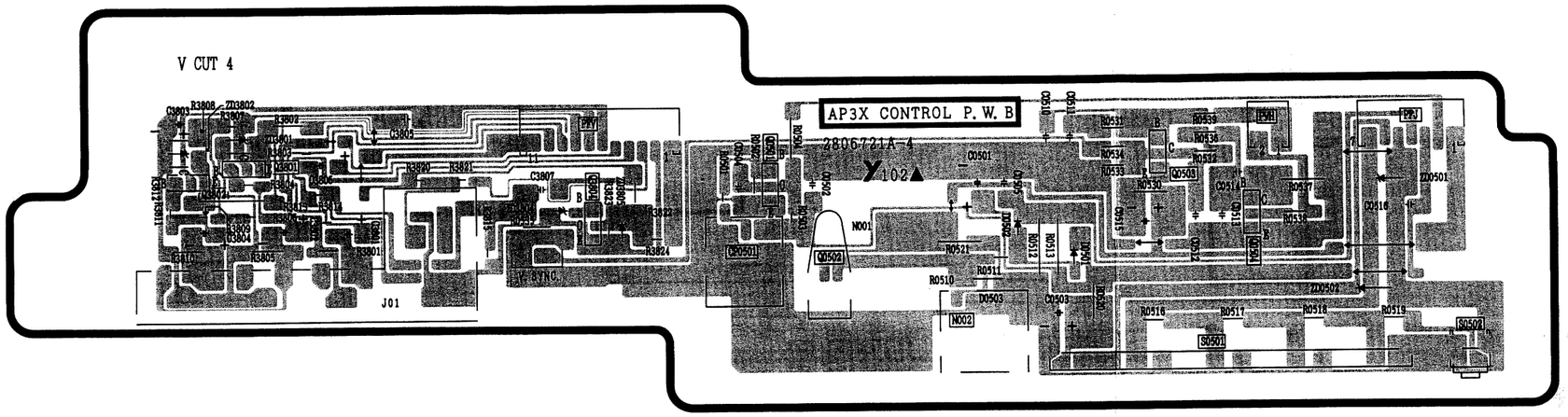


PRINTED CIRCUIT BOARD

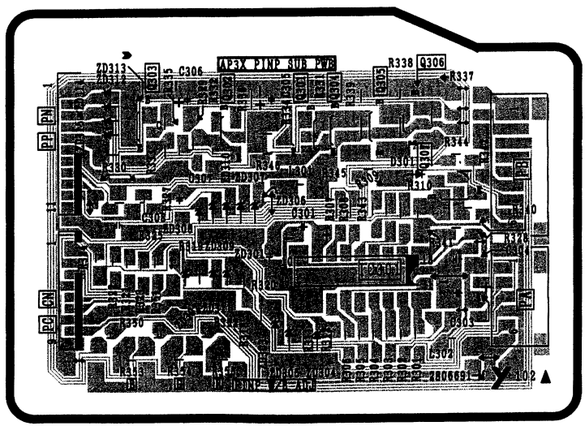
SUPER CONTRAST P.C.B.



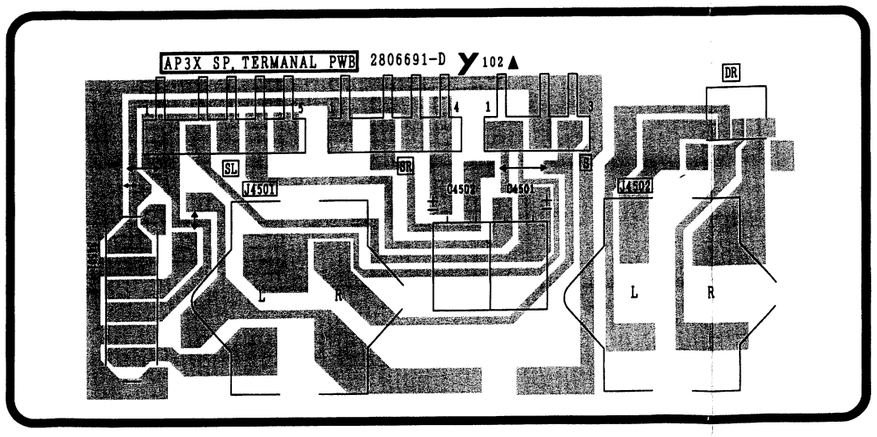
CONTROL P.C.B.



P IN P SUB P.C.B.

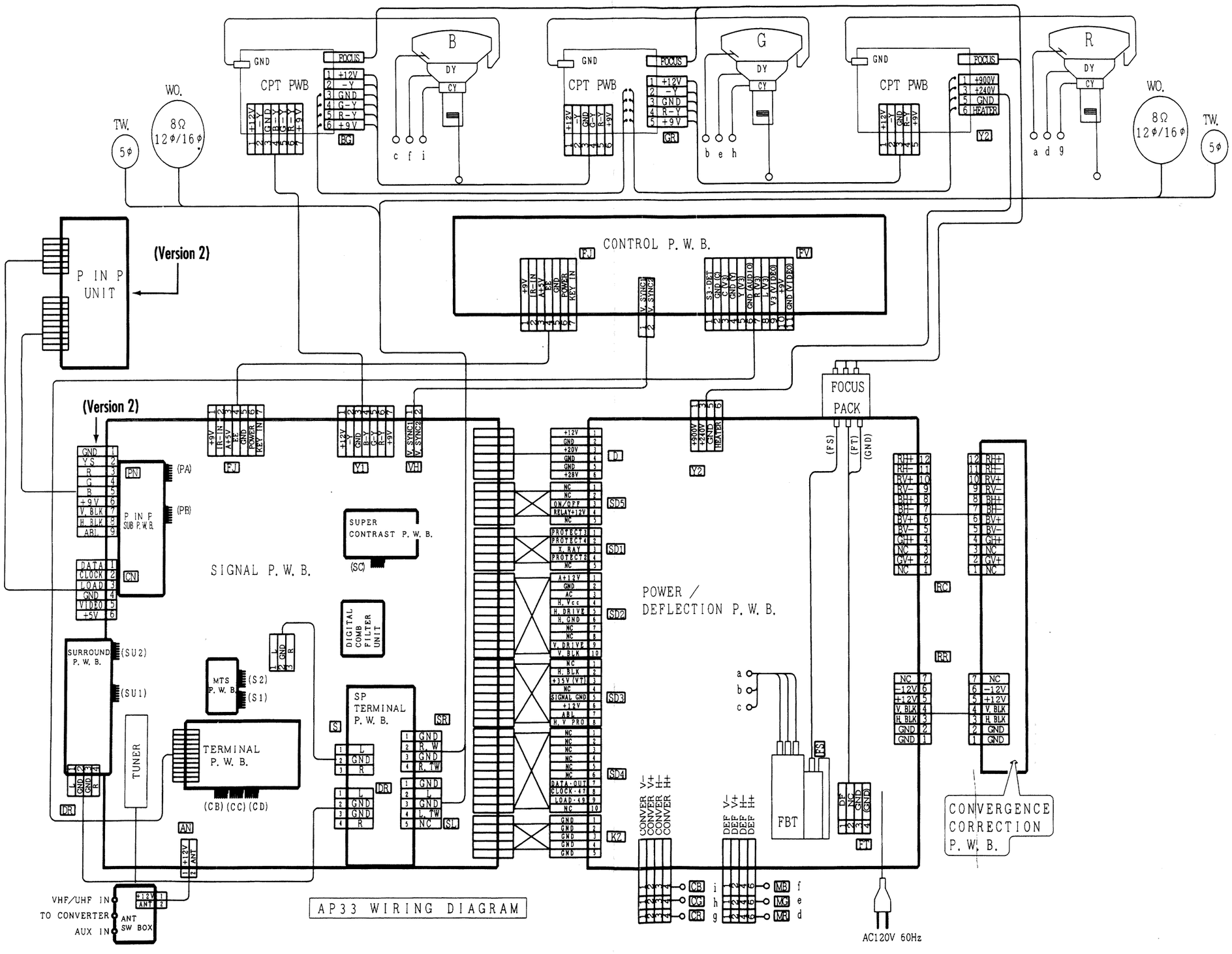


SPEAKER TERMINAL P.C.B.



BASIC CIRCUIT DIAGRAM

PRODUCT SAFETY NOTE: Components marked with a ⚠ and shaded have special characteristics important to safety. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE of this Service Manual. Don't degrade the safety of the receiver through improper servicing.



• Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.

• All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.

BASIC CIRCUIT DIAGRAM

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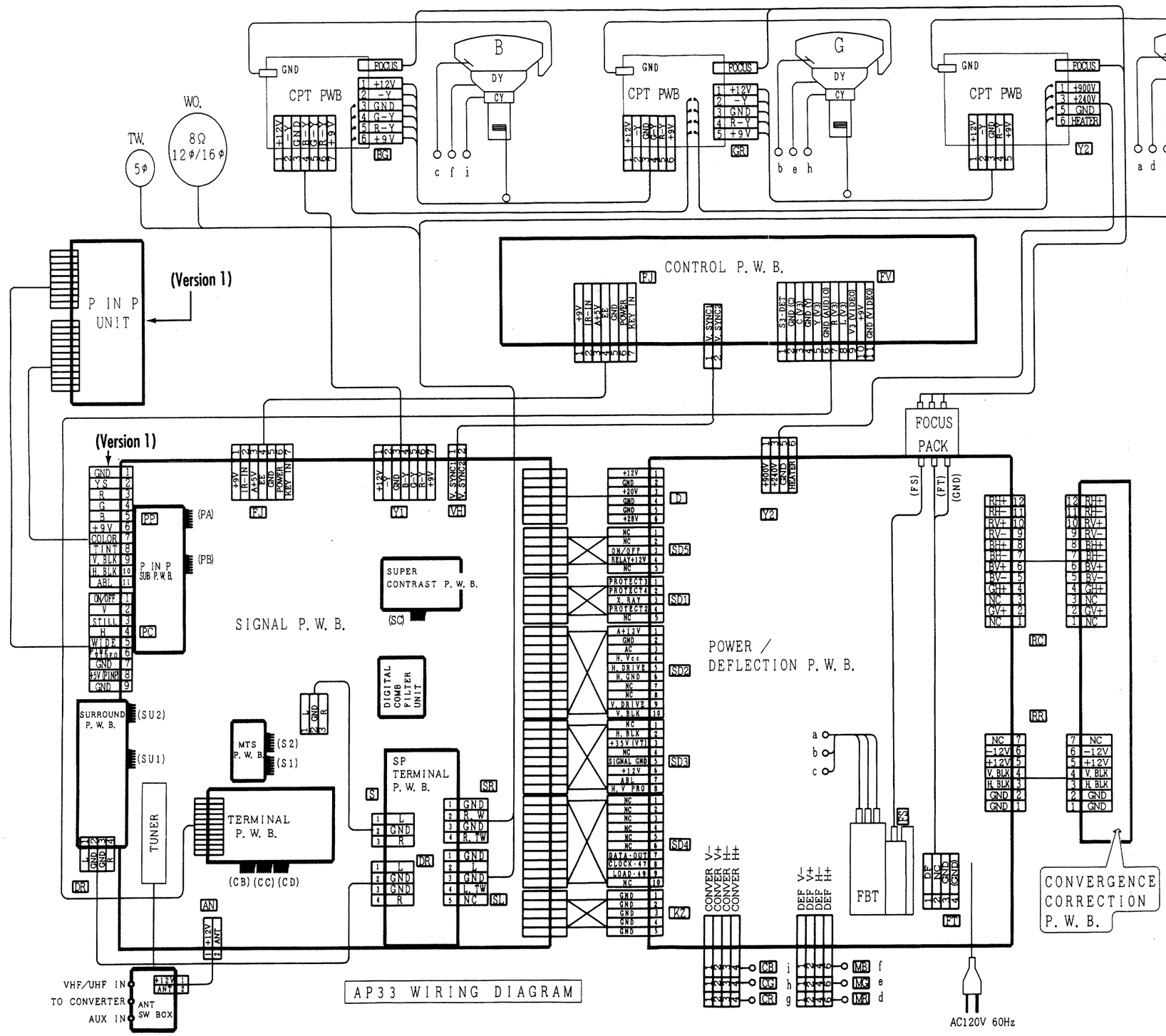


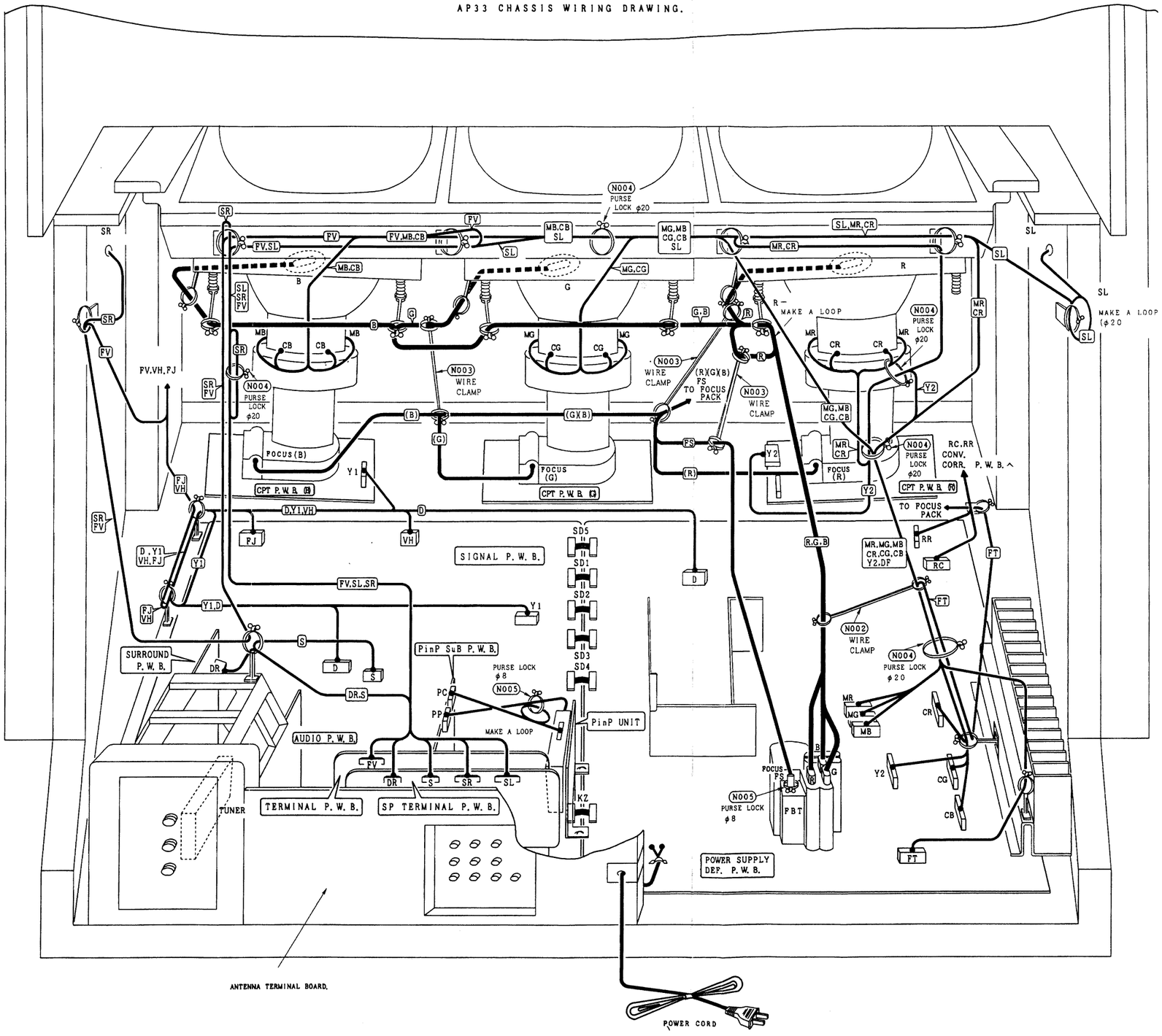
AP33 WIRING DIAGRAM

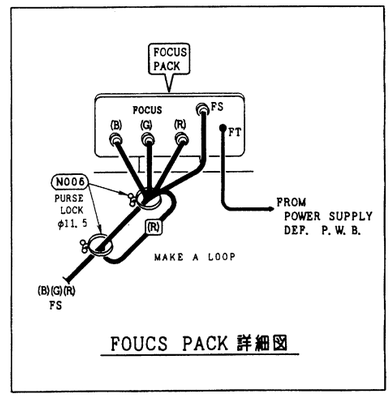
- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.
- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.

BASIC CIRCUIT DIAGRAM

PRODUCT SAFETY NOTE: Components marked with a ⚠ and shaded have special characteristics important to safety. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE of this Service Manual. Don't degrade the safety of the receiver through improper servicing.

AP33 CHASSIS WIRING DRAWING.





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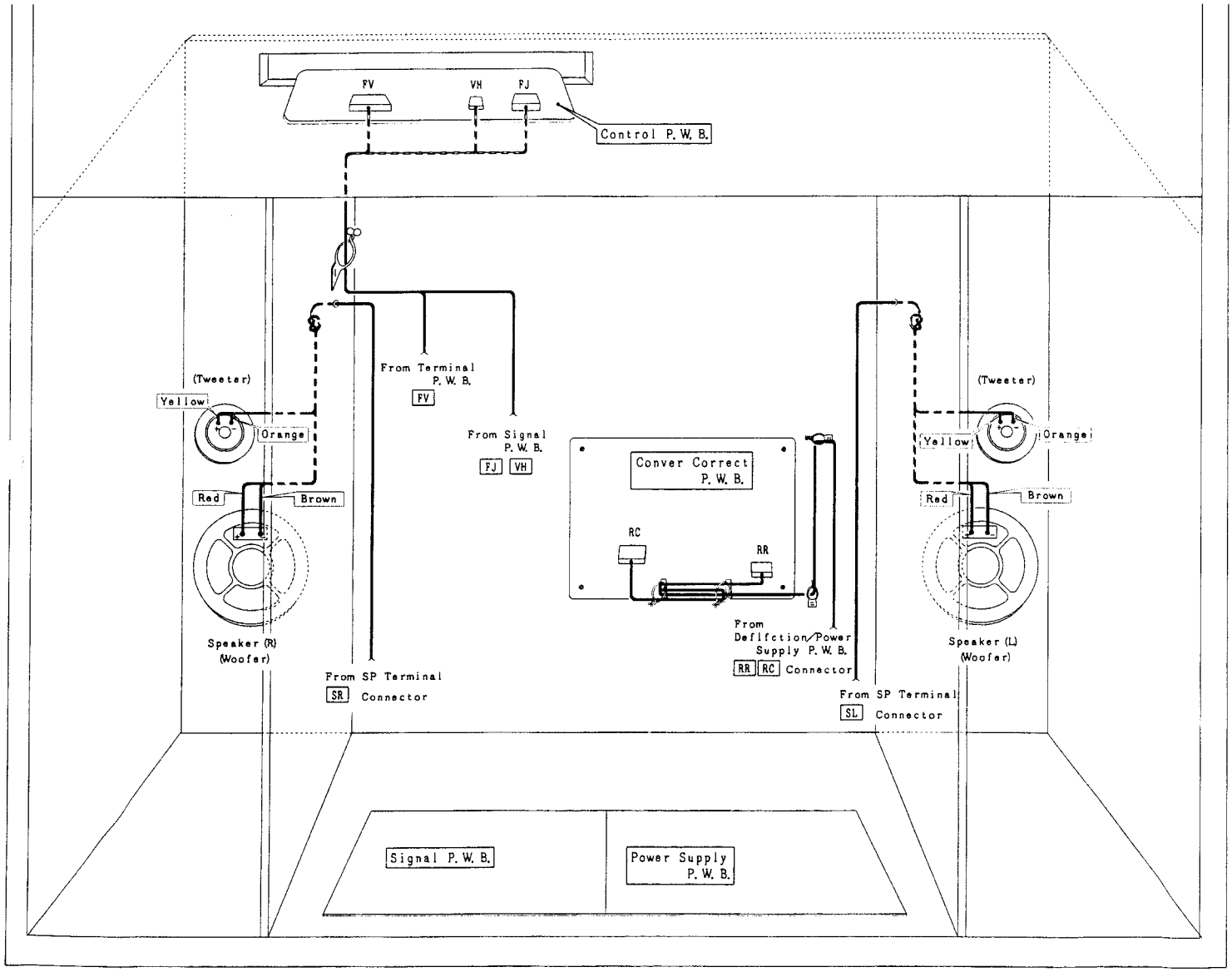
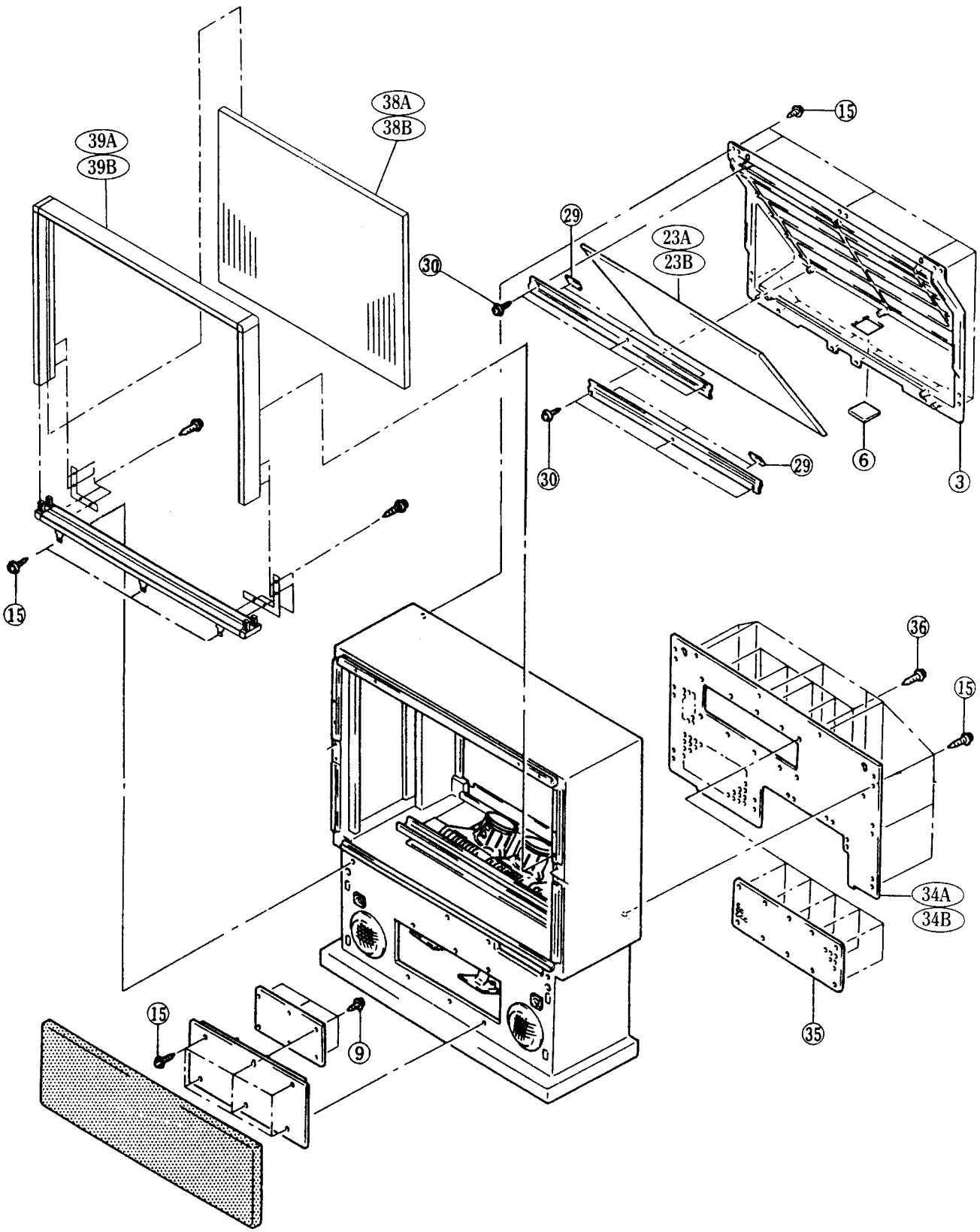
- Since this is a basic circuit diagram, the value of the parts is subject to be altered for improvement.
- All DC voltage to be measured with a tester (100kΩ/V). Voltage taken on a complex color bar signal including a standard color bar signal.

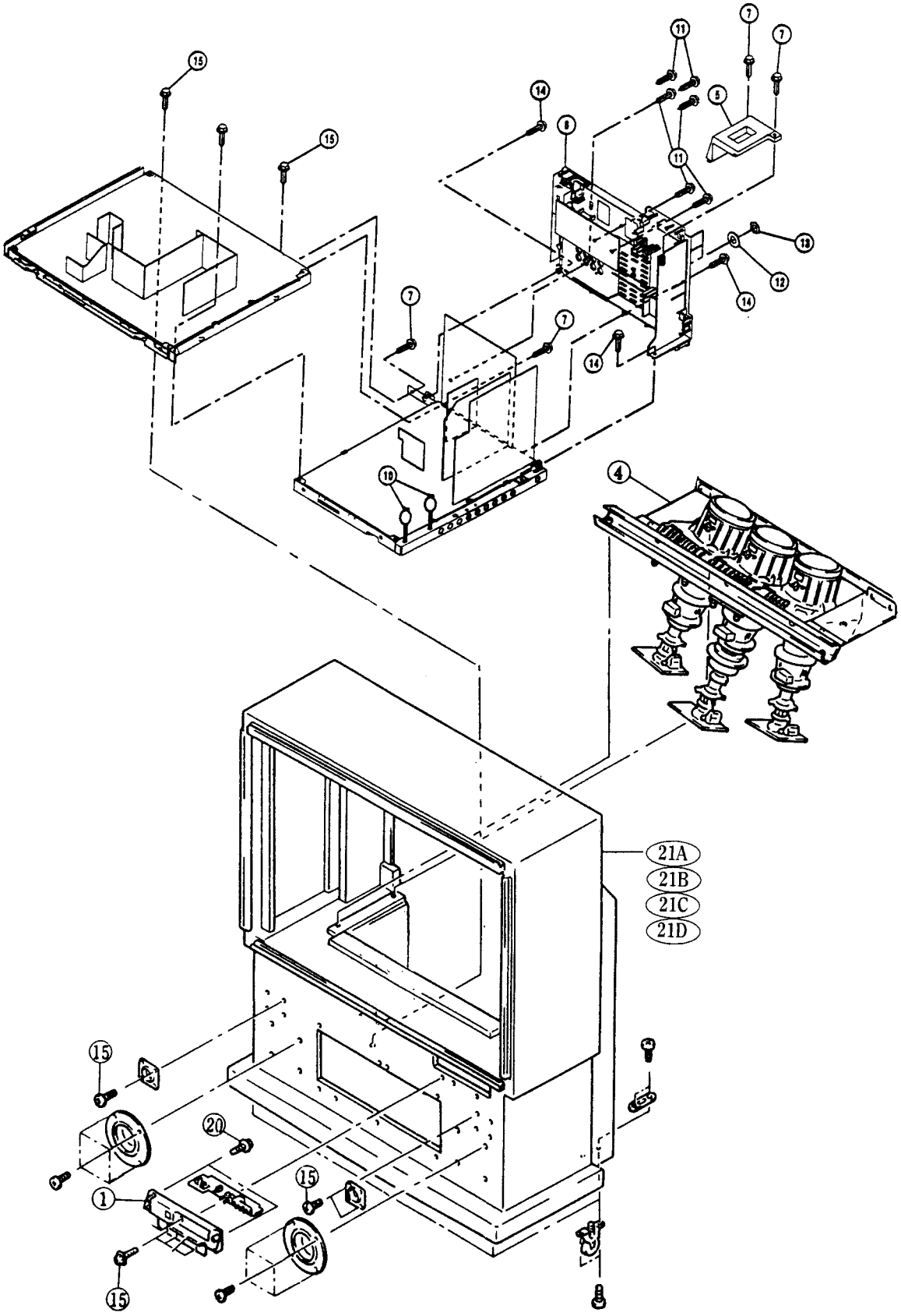
BASIC CIRCUIT DIAGRAM



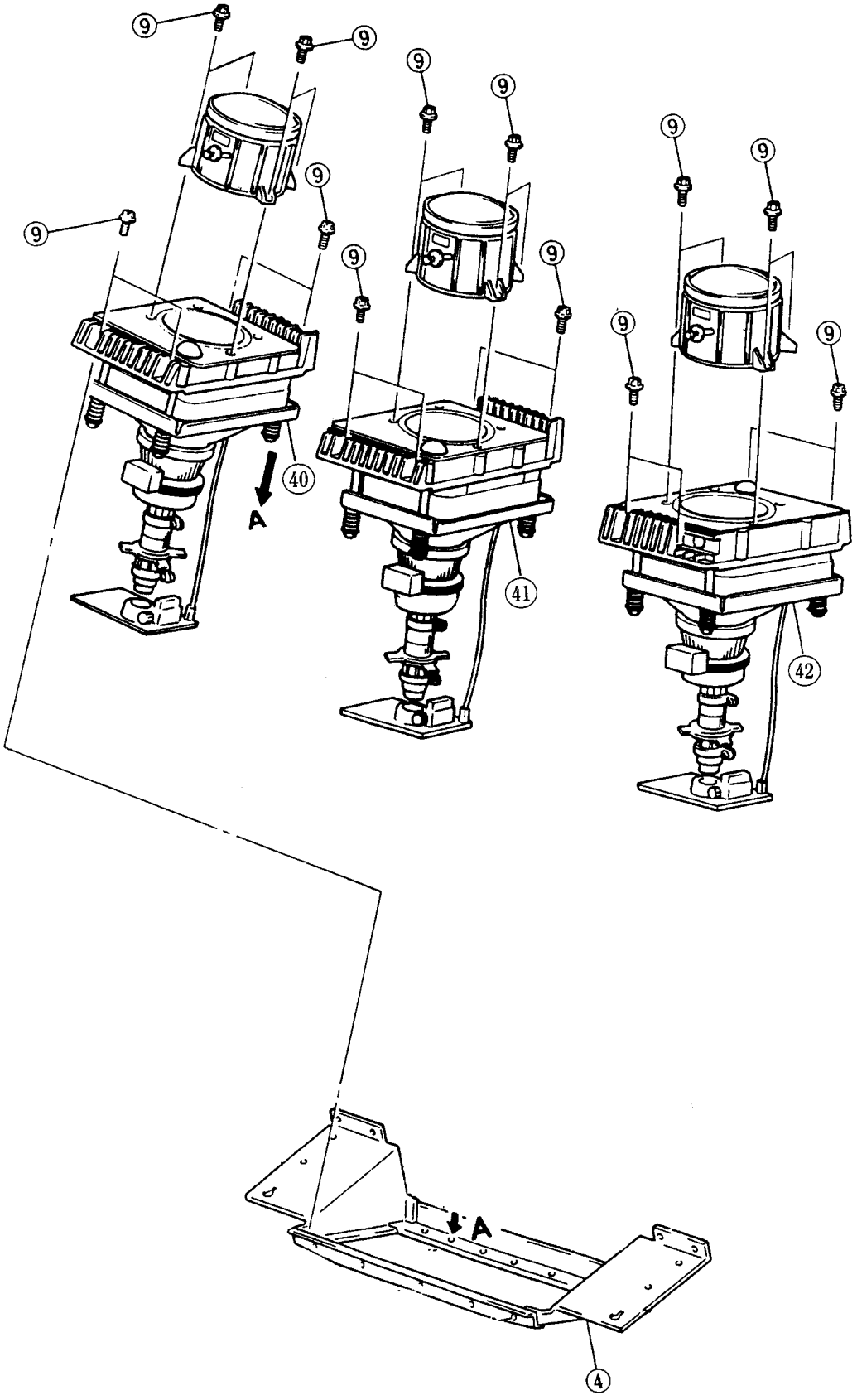
EXPLODED VIEW (1 / 3)



EXPLODED VIEW (2 / 3)



EXPLODED VIEW (3 / 3)



REPLACEMENT PARTS LIST

PRODUCT SAFETY NOTE: Components marked with a ⚠ have special characteristics important to safety. Before replacing any of these components, read carefully, the PRODUCT SAFETY NOTICE of this Service Manual. Don't degrade the safety of the receiver through improper servicing.

ABBREVIATION

Capacitors..... CD:Ceramic Disc, PF:Polyester Film, EL: Electrolytic, PP: Polypropylene, PR: Paper, TA: Tantalum, TM: Trimmer
Resistors..... CF: Carbon Film, CC: Carbon Composition, MF: Metal oxide Film, VR: Variable Resistor, WW: Wire Wound, FR: Fuse Resistor, MG: Metal Glazed
Semiconductors.... TR: Transistor, DI: diode, ZD: Zener Diode, VA: Varistor, TH: Thermistor, IC: Integrated Circuit

SYMBOL NO.	PART NO.	PART DESCRIPTION
		CAPACITORS
C0001	0800048	CAPACITOR ELECTROLYTIC 100MF 10V
C0002	0244171	CD 0.01MF +80-20% 50V
C0005	0244171	CD 0.01MF +80-20% 50V
C0006	0880057	CAPACITOR POLYESTER FILM 0.1MF +-10% 50V
C0009	0800009	CAPACITOR ELECTROLYTIC 4.7MF 25V
C0010	0800009	CAPACITOR ELECTROLYTIC 4.7MF 25V
C0011	0800009	CAPACITOR ELECTROLYTIC 4.7MF 25V
C0012	0800009	CAPACITOR ELECTROLYTIC 4.7MF 25V
C0013	0800009	CAPACITOR ELECTROLYTIC 4.7MF 25V
C0014	0800009	CAPACITOR ELECTROLYTIC 4.7MF 25V
C0015	0800009	CAPACITOR ELECTROLYTIC 4.7MF 25V
C0018	0880048	CAPACITOR POLYESTER FILM 0.022MF +-10% 50
C0019	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C0020	0890087	CAPACITOR CERAMIC DISCAL 1000PF +-10% 50V
C0021	0880057	CAPACITOR POLYESTER FILM 0.1MF +-10% 50V
C0022	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C0023	0890067	CAPACITOR CERAMIC DISCAL 33PF +-5% 50V
C0024	0890067	CAPACITOR CERAMIC DISCAL 33PF +-5% 50V
C0025	0880053	CAPACITOR POLYESTER FILM 0.047MF +-10% 50
C0027	0880051	CAPACITOR POLYESTER FILM 0.033MF +-10% 50
C0031	0800048	CAPACITOR ELECTROLYTIC 100MF 10V
C0032	0244171	CD 0.01MF +80-20% 50V
C0033	0890074	CAPACITOR CERAMIC DISCAL 100PF +-5% 50V
C0034	0880051	CAPACITOR POLYESTER FILM 0.033MF +-10% 50
C0035	0800115	CAPACITOR,ELECTROLYTIC 3.3MF 50V
C0036	0800009	CAPACITOR ELECTROLYTIC 4.7MF 25V
C0037	0890069	CAPACITOR,CERAMIC DISCAL 47PF +-5% 50V
C0038	0800048	CAPACITOR ELECTROLYTIC 100MF 10V
C0039	0244171	CD 0.01MF +80-20% 50V
C0040	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C0041	0880046	CAPACITOR POLYESTER FILM 0.015MF +-10% 50
C0042	0244107	CD 3300PF +-10% 50V
C0045	0800049	CAPACITOR,ELECTROLYTIC 100MF 16V
C0046	0890067	CAPACITOR CERAMIC DISCAL 33PF +-5% 50V
C0047	0890067	CAPACITOR CERAMIC DISCAL 33PF +-5% 50V
C0048	0800048	CAPACITOR ELECTROLYTIC 100MF 10V
C0049	0244171	CD 0.01MF +80-20% 50V
C0052	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C0053	0800049	CAPACITOR,ELECTROLYTIC 100MF 16V
C0054	0800039	CAPACITOR ELECTROLYTIC 47MF 10V
C0055	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C0056	0800048	CAPACITOR ELECTROLYTIC 100MF 10V
C0057	0890074	CAPACITOR CERAMIC DISCAL 100PF +-5% 50V
C0058	0890071	CAPACITOR CERAMIC DISCAL 56PF +-5% 50V
C0059	0890087	CAPACITOR CERAMIC DISCAL 1000PF +-10% 50V
C0060	0890079	CAPACITOR,CERAMIC DISCAL 270PF +-10% 50V
C0061	0800049	CAPACITOR,ELECTROLYTIC 100MF 16V
C0062	0244171	CD 0.01MF +80-20% 50V
C0064	0890074	CAPACITOR CERAMIC DISCAL 100PF +-5% 50V
C0065	0890074	CAPACITOR CERAMIC DISCAL 100PF +-5% 50V
C0066	0890074	CAPACITOR CERAMIC DISCAL 100PF +-5% 50V
C0067	0890074	CAPACITOR CERAMIC DISCAL 100PF +-5% 50V
C0068	0890074	CAPACITOR CERAMIC DISCAL 100PF +-5% 50V
C0069	0890074	CAPACITOR CERAMIC DISCAL 100PF +-5% 50V
C0070	0800049	CAPACITOR,ELECTROLYTIC 100MF 16V
C0071	0800049	CAPACITOR,ELECTROLYTIC 100MF 16V
C0074	0800074	CAPACITOR ELECTROLYTIC 470MF 16V
C0077	0890077	CAPACITOR CERAMIC DISCAL 180PF +-10% 50V
C0501	0800023	CAPACITOR ELECTROLYTIC 22MF 16V
C0502	0244171	CD 0.01MF +80-20% 50V
C0503	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C0504	0244171	CD 0.01MF +80-20% 50V
C0505	0244171	CD 0.01MF +80-20% 50V
C0510	0880011	CAPACITOR POLYESTER FILM 0.015MF +-10% 50
C0512	0880006	CAPACITOR POLYESTER FILM 3300PF +-10% 50V
C0513	0880006	CAPACITOR POLYESTER FILM 3300PF +-10% 50V
C0514	0880016	CAPACITOR POLYESTER FILM 0.1MF +-10% 50V
C0515	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C0516	0880016	CAPACITOR POLYESTER FILM 0.1MF +-10% 50V
C0961	0880057	CAPACITOR POLYESTER FILM 0.1MF +-10% 50V
C0962	0800075	CAPACITOR ELECTROLYTIC 470MF 25V
C0963	0880057	CAPACITOR POLYESTER FILM 0.1MF +-10% 50V
C0964	0880057	CAPACITOR POLYESTER FILM 0.1MF +-10% 50V
C0965	0800075	CAPACITOR ELECTROLYTIC 470MF 25V
C0966	0880057	CAPACITOR POLYESTER FILM 0.1MF +-10% 50V
C0967	0880057	CAPACITOR POLYESTER FILM 0.1MF +-10% 50V
C0968	0880057	CAPACITOR POLYESTER FILM 0.1MF +-10% 50V
C0969	0800075	CAPACITOR ELECTROLYTIC 470MF 25V
C1109	0800049	CAPACITOR,ELECTROLYTIC 100MF 16V
C1117	0800049	CAPACITOR,ELECTROLYTIC 100MF 16V
C1301	0890087	CAPACITOR CERAMIC DISCAL 1000PF +-10% 50V
C1302	0800044	CAPACITOR ELECTROLYTIC 47MF 50V
C1311	0890087	CAPACITOR CERAMIC DISCAL 1000PF +-10% 50V
C1312	0800044	CAPACITOR ELECTROLYTIC 47MF 50V
C1326	0890087	CAPACITOR CERAMIC DISCAL 1000PF +-10% 50V

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SYMBOL NO.	PART NO.	PART DESCRIPTION	SYMBOL NO.	PART NO.	PART DESCRIPTION
C1327	0800044	CAPACITOR ELECTROLYTIC 47MF 50V	C2177	0880011	CAPACITOR POLYESTER FILM 0.015MF +-10% 50
C1336	0890087	CAPACITOR CERAMIC DISCAL 1000PF +-10% 50V	C2178	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C1337	0800044	CAPACITOR ELECTROLYTIC 47MF 50V	C2179	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C1351	0890087	CAPACITOR CERAMIC DISCAL 1000PF +-10% 50V	C2180	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C1352	0800044	CAPACITOR ELECTROLYTIC 47MF 50V	C2181	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C1361	0890087	CAPACITOR CERAMIC DISCAL 1000PF +-10% 50V	C2182	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C1362	0800044	CAPACITOR ELECTROLYTIC 47MF 50V	C2183	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C1387	0258178	EL 470MF,63V	C2184	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C1389	0258178	EL 470MF,63V	C2185	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C1501	0800041	CAPACITOR ELECTROLYTIC 47MF 16V	C2186	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C1502	0800041	CAPACITOR ELECTROLYTIC 47MF 16V	C2187	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C1517	0880044	CAPACITOR POLYESTER FILM 0.01MF +-10% 50V	C2188	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C1520	0880044	CAPACITOR POLYESTER FILM 0.01MF +-10% 50V	C2190	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C1523	0880044	CAPACITOR POLYESTER FILM 0.01MF +-10% 50V	C2191	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C1526	0880044	CAPACITOR POLYESTER FILM 0.01MF +-10% 50V	C2192	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C2101	0244136	CD 270PF +-10% 50V	C2195	0880012	CAPACITOR POLYESTER FILM 0.022MF +-10% 50
C2103	0880001	CAPACITOR POLYESTER FILM 680PF +-10% 50V	C2196	0880012	CAPACITOR POLYESTER FILM 0.022MF +-10% 50
C2104	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V	C2197	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C2105	0800003	CAPACITOR ELECTROLYTIC 1MF 50V	C2198	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C2106	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V	C3006	0244171	CD 0.01MF +80-20% 50V
C2107	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V	C3007	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C2112	0800001	CAPACITOR ELECTROLYTIC 0.47MF 50V	C3010	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C2113	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V	C3013	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C2117	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V	C3014	0284638	EL 10MF 16V
C2124	0880005	CAPACITOR POLYESTER FILM 2200PF +-10% 50V	C3016	0284638	EL 10MF 16V
C2126	0299001	PP 0.001MF +-2% 100V	C3018	0244171	CD 0.01MF +80-20% 50V
C2127	0800003	CAPACITOR ELECTROLYTIC 1MF 50V	C3019	0800023	CAPACITOR ELECTROLYTIC 22MF 16V
C2129	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V	C3021	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C2131	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V	C3024	0800047	CAPACITOR ELECTROLYTIC 100MF 6.3V
C2137	0800049	CAPACITOR,ELECTROLYTIC 100MF 16V	C3025	0800041	CAPACITOR ELECTROLYTIC 47MF 16V
C2138	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V	C3026	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C2139	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V	C3027	0800041	CAPACITOR ELECTROLYTIC 47MF 16V
C2140	0880014	CAPACITOR POLYESTER FILM 0.047MF +-10% 50	C3028	0800041	CAPACITOR ELECTROLYTIC 47MF 16V
C2142	0880016	CAPACITOR POLYESTER FILM 0.1MF +-10% 50V	C3029	0800009	CAPACITOR ELECTROLYTIC 4.7MF 25V
C2143	0800049	CAPACITOR,ELECTROLYTIC 100MF 16V	C3030	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C2144	0800041	CAPACITOR ELECTROLYTIC 47MF 16V	C3031	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C2145	0244141	CD 0.01MF +-10% 50V	C3032	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C2146	0244141	CD 0.01MF +-10% 50V	C3038	0244171	CD 0.01MF +80-20% 50V
C2147	0800041	CAPACITOR ELECTROLYTIC 47MF 16V	C3039	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C2148	0252417	EL 1MF 50V	C3040	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C2149	0252417	EL 1MF 50V	C3041	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C2150	0252417	EL 1MF 50V	C3042	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C2151	0252417	EL 1MF 50V	C3043	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C2152	0252417	EL 1MF 50V	C3044	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C2153	0252417	EL 1MF 50V	C3045	0800023	CAPACITOR ELECTROLYTIC 22MF 16V
C2154	0244229	CD 150PF +-10% 50V	C3047	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C2155	0244141	CD 0.01MF +-10% 50V	C3048	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C2156	0800044	CAPACITOR ELECTROLYTIC 47MF 50V	C3049	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C2160	0880011	CAPACITOR POLYESTER FILM 0.015MF +-10% 50	C3051	0800041	CAPACITOR ELECTROLYTIC 47MF 16V
C2161	0880009	CAPACITOR POLYESTER FILM 0.01MF +-10% 50V	C3052	0800074	CAPACITOR ELECTROLYTIC 470MF 16V
C2162	0299029	PP 0.015MF +-2% 100V	C3055	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C2163	0800003	CAPACITOR ELECTROLYTIC 1MF 50V	C3056	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C2164	0800003	CAPACITOR ELECTROLYTIC 1MF 50V	C3058	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C2175	0299029	PP 0.015MF +-2% 100V	C3059	0284638	EL 10MF 16V
C2176	0880009	CAPACITOR POLYESTER FILM 0.01MF +-10% 50V	C3060	0244171	CD 0.01MF +80-20% 50V

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SYMBOL NO.	PART NO.	PART DESCRIPTION
C3061	0880057	CAPACITOR POLYESTER FILM 0.1MF +-10% 50V
C3062	0880057	CAPACITOR POLYESTER FILM 0.1MF +-10% 50V
C3063	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C3064	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C3065	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C3066	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C3067	0800041	CAPACITOR ELECTROLYTIC 47MF 16V
C3068	0800041	CAPACITOR ELECTROLYTIC 47MF 16V
C308	0880057	CAPACITOR POLYESTER FILM 0.1MF +-10% 50V
C3504	0800049	CAPACITOR,ELECTROLYTIC 100MF 16V
C3505	0244171	CD 0.01MF +80-20% 50V
C3508	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C3509	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C3510	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C3515	0244171	CD 0.01MF +80-20% 50V
C3516	0244171	CD 0.01MF +80-20% 50V
C3517	0244171	CD 0.01MF +80-20% 50V
C3518	0244171	CD 0.01MF +80-20% 50V
C3519	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C3520	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C3521	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C3522	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C3523	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C3524	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C3525	0244171	CD 0.01MF +80-20% 50V
C3526	0244171	CD 0.01MF +80-20% 50V
C3527	0244171	CD 0.01MF +80-20% 50V
C3528	0244171	CD 0.01MF +80-20% 50V
C3530	0800023	CAPACITOR ELECTROLYTIC 22MF 16V
C3531	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C3532	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C3534	0244171	CD 0.01MF +80-20% 50V
C3536	0890087	CAPACITOR CERAMIC DISCAL 1000PF +-10% 50V
C3537	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C3538	0880057	CAPACITOR POLYESTER FILM 0.1MF +-10% 50V
C3539	0890075	CAPACITOR CERAMIC DISCAL 120PF +-5% 50V
C3540	0800048	CAPACITOR ELECTROLYTIC 100MF 10V
C3801	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C3802	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C3803	0800041	CAPACITOR ELECTROLYTIC 47MF 16V
C3804	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C3805	0244171	CD 0.01MF +80-20% 50V
C3806	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C3807	0244171	CD 0.01MF +80-20% 50V
C4001	0800009	CAPACITOR ELECTROLYTIC 4.7MF 25V
C4002	0880057	CAPACITOR POLYESTER FILM 0.1MF +-10% 50V
C4003	0880044	CAPACITOR POLYESTER FILM 0.01MF +-10% 50V
C4004	0800001	CAPACITOR ELECTROLYTIC 0.47MF 50V
C4005	0800074	CAPACITOR ELECTROLYTIC 470MF 16V
C4006	0800001	CAPACITOR ELECTROLYTIC 0.47MF 50V
C4007	0800001	CAPACITOR ELECTROLYTIC 0.47MF 50V
C4008	0800009	CAPACITOR ELECTROLYTIC 4.7MF 25V
C4009	0800001	CAPACITOR ELECTROLYTIC 0.47MF 50V
C4010	0800005	CAPACITOR,ELECTROLYTIC 2.2MF 50V
C4011	0800007	CAPACITOR,ELECTROLYTIC 3.3MF 50V
C4012	0800001	CAPACITOR ELECTROLYTIC 0.47MF 50V
C4013	0800001	CAPACITOR ELECTROLYTIC 0.47MF 50V
C4014	0292714F	TA 10MF +-10% 16V
C4015	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C4016	0800009	CAPACITOR ELECTROLYTIC 4.7MF 25V
C4017	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C4018	0880059	CAPACITOR POLYESTER FILM 0.15MF 50V
C4019	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C4020	0880059	CAPACITOR POLYESTER FILM 0.15MF 50V
C4021	0800009	CAPACITOR ELECTROLYTIC 4.7MF 25V
C4022	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C4023	0880059	CAPACITOR POLYESTER FILM 0.15MF 50V
C4024	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C4025	0880059	CAPACITOR POLYESTER FILM 0.15MF 50V
C4026	0800041	CAPACITOR ELECTROLYTIC 47MF 16V
C403	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C4038	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C4039	0800074	CAPACITOR ELECTROLYTIC 470MF 16V
C404	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C4040	0880044	CAPACITOR POLYESTER FILM 0.01MF +-10% 50V
C4041	0253943	EL 0.33MF 50V
C4042	0800041	CAPACITOR ELECTROLYTIC 47MF 16V
C4043	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C4044	0253943	EL 0.33MF 50V
C4045	0880044	CAPACITOR POLYESTER FILM 0.01MF +-10% 50V
C4046	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C4047	0800049	CAPACITOR,ELECTROLYTIC 100MF 16V
C4048	0800049	CAPACITOR,ELECTROLYTIC 100MF 16V
C405	0244105	CD 2200PF +-10% 50V
C4054	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C4055	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C4056	0890069	CAPACITOR,CERAMIC DISCAL 47PF +-5% 50V
C4057	0890069	CAPACITOR,CERAMIC DISCAL 47PF +-5% 50V
C4058	0800048	CAPACITOR ELECTROLYTIC 100MF 10V
C4059	0292712F	TA 3.3MF 16V
C406	0244105	CD 2200PF +-10% 50V
C4060	0880057	CAPACITOR POLYESTER FILM 0.1MF +-10% 50V
C4061	0800041	CAPACITOR ELECTROLYTIC 47MF 16V
C4062	0800009	CAPACITOR ELECTROLYTIC 4.7MF 25V
C4063	0800009	CAPACITOR ELECTROLYTIC 4.7MF 25V
C4064	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C4065	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C4071	0800074	CAPACITOR ELECTROLYTIC 470MF 16V
C4072	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C4073	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C4075	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C4076	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C4077	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C408	0800051	CAPACITOR ELECTROLYTIC 100MF 25V
C409	0800042	CAPACITOR ELECTROLYTIC 47MF 25V
C412	0800042	CAPACITOR ELECTROLYTIC 47MF 25V
C414	0880057	CAPACITOR POLYESTER FILM 0.1MF +-10% 50V
C416	0880057	CAPACITOR POLYESTER FILM 0.1MF +-10% 50V
C417	0800084	CAPACITOR ELECTROLYTIC 1000MF 35V
C418	0258192F	EL 2200MF 25V

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SYMBOL NO.	PART NO.	PART DESCRIPTION
C420	0258192F	EL 2200MF 25V
C421	0880062	CAPACITOR POLYESTER FILM 0.22MF +-10% 50V
C422	0800042	CAPACITOR ELECTROLYTIC 47MF 25V
C424	0800051	CAPACITOR ELECTROLYTIC 100MF 25V
C425	0244171	CD 0.01MF +80-20% 50V
C427	0800087	CAPACITOR ELECTROLYTIC 2200MF 16V
C428	0800087	CAPACITOR ELECTROLYTIC 2200MF 16V
C430	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C432	0800066	CAPACITOR ELECTROLYTIC 330MF 16V
C433	0800087	CAPACITOR ELECTROLYTIC 2200MF 16V
C434	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C435	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C436	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C437	0880057	CAPACITOR POLYESTER FILM 0.1MF +-10% 50V
C4501	0258616	EL 2.2MF 50V
C4502	0258616	EL 2.2MF 50V
C4605	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C4606	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C4607	0800041	CAPACITOR ELECTROLYTIC 47MF 16V
C4608	0800049	CAPACITOR,ELECTROLYTIC 100MF 16V
C4609	0284638	EL 10MF 16V
C4610	0284638	EL 10MF 16V
C4611	0800105	CAPACITOR ELECTROLYTIC 0.33MF 50V
C4612	0880057	CAPACITOR POLYESTER FILM 0.1MF +-10% 50V
C4613	0880057	CAPACITOR POLYESTER FILM 0.1MF +-10% 50V
C4614	0890085	CAPACITOR CERAMIC DISCAL 680PF +-10% 50V
C4615	0800012	CAPACITOR ELECTROLYTIC 4.7MF 50V
C4616	0800012	CAPACITOR ELECTROLYTIC 4.7MF 50V
C4617	0880059	CAPACITOR POLYESTER FILM 0.15MF 50V
C4618	0800007	CAPACITOR,ELECTROLYTIC 3.3MF 50V
C4619	0880059	CAPACITOR POLYESTER FILM 0.15MF 50V
C4620	0880059	CAPACITOR POLYESTER FILM 0.15MF 50V
C4621	0800007	CAPACITOR,ELECTROLYTIC 3.3MF 50V
C4622	0880059	CAPACITOR POLYESTER FILM 0.15MF 50V
C4623	0800012	CAPACITOR ELECTROLYTIC 4.7MF 50V
C4624	0800012	CAPACITOR ELECTROLYTIC 4.7MF 50V
C4625	0890085	CAPACITOR CERAMIC DISCAL 680PF +-10% 50V
C4626	0880057	CAPACITOR POLYESTER FILM 0.1MF +-10% 50V
C4627	0880057	CAPACITOR POLYESTER FILM 0.1MF +-10% 50V
C4628	0800105	CAPACITOR ELECTROLYTIC 0.33MF 50V
C4629	0880057	CAPACITOR POLYESTER FILM 0.1MF +-10% 50V
C4630	0800049	CAPACITOR,ELECTROLYTIC 100MF 16V
C4631	0880066	CAPACITOR POLYESTER FILM 0.47MF +-10% 50V
C4632	0284638	EL 10MF 16V
C4633	0284638	EL 10MF 16V
C4634	0284638	EL 10MF 16V
C4635	0284638	EL 10MF 16V
C4636	0880046	CAPACITOR POLYESTER FILM 0.015MF +-10% 50
C4637	0880044	CAPACITOR POLYESTER FILM 0.01MF +-10% 50V
C4638	0890085	CAPACITOR CERAMIC DISCAL 680PF +-10% 50V
C4639	0880057	CAPACITOR POLYESTER FILM 0.1MF +-10% 50V
C4640	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C4641	0284638	EL 10MF 16V
C4642	0800041	CAPACITOR ELECTROLYTIC 47MF 16V
C4643	0800105	CAPACITOR ELECTROLYTIC 0.33MF 50V
C4644	0800041	CAPACITOR ELECTROLYTIC 47MF 16V
C4645	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C4646	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C4649	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C4650	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C4655	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C4656	0800105	CAPACITOR ELECTROLYTIC 0.33MF 50V
C4657	0284638	EL 10MF 16V
C4658	0880044	CAPACITOR POLYESTER FILM 0.01MF +-10% 50V
C4659	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C4660	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C4661	0880059	CAPACITOR POLYESTER FILM 0.15MF 50V
C4662	0890076	CAPACITOR CERAMIC DISCAL 150PF +-10% 50V
C4663	0880048	CAPACITOR POLYESTER FILM 0.022MF +-10% 50
C4664	0890087	CAPACITOR CERAMIC DISCAL 1000PF +-10% 50V
C4665	0800012	CAPACITOR ELECTROLYTIC 4.7MF 50V
C4666	0800074	CAPACITOR ELECTROLYTIC 470MF 16V
C4667	0800012	CAPACITOR ELECTROLYTIC 4.7MF 50V
C4668	0890087	CAPACITOR CERAMIC DISCAL 1000PF +-10% 50V
C4669	0880048	CAPACITOR POLYESTER FILM 0.022MF +-10% 50
C4670	0890076	CAPACITOR CERAMIC DISCAL 150PF +-10% 50V
C4671	0800058	CAPACITOR ELECTROLYTIC 220MF 16V
C4672	0800058	CAPACITOR ELECTROLYTIC 220MF 16V
C4673	0880057	CAPACITOR POLYESTER FILM 0.1MF +-10% 50V
C4674	0800058	CAPACITOR ELECTROLYTIC 220MF 16V
C4675	0880044	CAPACITOR POLYESTER FILM 0.01MF +-10% 50V
C4676	0800058	CAPACITOR ELECTROLYTIC 220MF 16V
C4677	0880057	CAPACITOR POLYESTER FILM 0.1MF +-10% 50V
C4678	0890119	CAPACITOR CERAMIC DISCAL 27PF +-5% 50V
C4679	0890119	CAPACITOR CERAMIC DISCAL 27PF +-5% 50V
C4680	0800103	CAPACITOR ELECTROLYTIC 0.22MF 50V
C4681	0880055	CAPACITOR POLYESTER FILM 0.068MF +-10% 50
C4682	0880038	CAPACITOR POLYESTER FILM 3900PF +-10% 50V
C4683	0880039	CAPACITOR POLYESTER FILM 4700PF +-10% 50V
C4684	0880051	CAPACITOR POLYESTER FILM 0.033MF +-10% 50
C4685	0284638	EL 10MF 16V
C4686	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C4687	0284638	EL 10MF 16V
C4688	0284638	EL 10MF 16V
C4689	0284638	EL 10MF 16V
C4690	0880041	CAPACITOR POLYESTER FILM 5600PF +-10% 50V
C4691	0890084	CAPACITOR CERAMIC DISCAL 560PF +-10% 50V
C4692	0880042	CAPACITOR POLYESTER FILM 6800PF +-10% 50V
C4693	0284638	EL 10MF 16V
C4694	0284638	EL 10MF 16V
C4695	0880062	CAPACITOR POLYESTER FILM 0.22MF +-10% 50V
C4696	0284638	EL 10MF 16V
C4697	0890085	CAPACITOR CERAMIC DISCAL 680PF +-10% 50V
C4698	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C4699	0252396	EL 10MF 16V
C4700	0800041	CAPACITOR ELECTROLYTIC 47MF 16V
C4701	0800105	CAPACITOR ELECTROLYTIC 0.33MF 50V
C4702	0880044	CAPACITOR POLYESTER FILM 0.01MF +-10% 50V
C4703	0800041	CAPACITOR ELECTROLYTIC 47MF 16V
C4704	0800003	CAPACITOR ELECTROLYTIC 1MF 50V

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SYMBOL NO.	PART NO.	PART DESCRIPTION	SYMBOL NO.	PART NO.	PART DESCRIPTION
C4705	0800105	CAPACITOR ELECTROLYTIC 0.33MF 50V	C5535	0800005	CAPACITOR,ELECTROLYTIC 2.2MF 50V
C4706	0880044	CAPACITOR POLYESTER FILM 0.01MF +-10% 50V	C5536	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C4707	0252396	EL 10MF 16V	C5538	0800049	CAPACITOR,ELECTROLYTIC 100MF 16V
C4708	0800042	CAPACITOR ELECTROLYTIC 47MF 25V	C5539	0244171	CD 0.01MF +80-20% 50V
C4709	0800018	CAPACITOR ELECTROLYTIC 10MF 50V	C5540	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C4710	0800018	CAPACITOR ELECTROLYTIC 10MF 50V	C5545	0880057	CAPACITOR POLYESTER FILM 0.1MF +-10% 50V
C4711	0800042	CAPACITOR ELECTROLYTIC 47MF 25V	C5546	0800049	CAPACITOR,ELECTROLYTIC 100MF 16V
C4712	0800059	CAPACITOR ELECTROLYTIC 220MF 25V	C5547	0244171	CD 0.01MF +80-20% 50V
C4713	0800018	CAPACITOR ELECTROLYTIC 10MF 50V	C5901	0800049	CAPACITOR,ELECTROLYTIC 100MF 16V
C4714	0252969	EL 2200MF 25V	C5902	0244171	CD 0.01MF +80-20% 50V
C4715	0880057	CAPACITOR POLYESTER FILM 0.1MF +-10% 50V	C5904	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C4716	0880057	CAPACITOR POLYESTER FILM 0.1MF +-10% 50V	C5905	0284638	EL 10MF 16V
C4717	0880057	CAPACITOR POLYESTER FILM 0.1MF +-10% 50V	C5906	0890089	CAPACITOR CERAMIC DISCAL 1500PF +-10% 50V
C4718	0800083	CAPACITOR ELECTROLYTIC 1000MF 25V	C604	0800023	CAPACITOR ELECTROLYTIC 22MF 16V
C4719	0800083	CAPACITOR ELECTROLYTIC 1000MF 25V	C605	0252397	EL 22MF 16V
C4722	0800042	CAPACITOR ELECTROLYTIC 47MF 25V	C606	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C4726	0880044	CAPACITOR POLYESTER FILM 0.01MF +-10% 50V	C608	0284446	EL 1MF 50V
C4727	0880044	CAPACITOR POLYESTER FILM 0.01MF +-10% 50V	C609	0284446	EL 1MF 50V
C4728	0284638	EL 10MF 16V	C610	0880062	CAPACITOR POLYESTER FILM 0.22MF +-10% 50V
C4729	0284638	EL 10MF 16V	C611	0800041	CAPACITOR ELECTROLYTIC 47MF 16V
C4731	0880062	CAPACITOR POLYESTER FILM 0.22MF +-10% 50V	C612	0252397	EL 22MF 16V
C4732	0284623	EL 1MF 50V	C613	0244109	CD 4700PF +-10% 50V
C4733	0284623	EL 1MF 50V	C620	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C4734	0880031	CAPACITOR POLYESTER FILM 1000PF +-10% 50V	C621	0284449	EL 4.7MF 50V
C4735	0880031	CAPACITOR POLYESTER FILM 1000PF +-10% 50V	C630	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C4736	0800003	CAPACITOR ELECTROLYTIC 1MF 50V	C631	0880062	CAPACITOR POLYESTER FILM 0.22MF +-10% 50V
C4739	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V	C632	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C5503	0244171	CD 0.01MF +80-20% 50V	C633	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C5504	0246448	CD 22PF +-5% 50V	C651	0279859	PF 0.1MF +-10% 100V
C5505	0800009	CAPACITOR ELECTROLYTIC 4.7MF 25V	C652	0880051	CAPACITOR POLYESTER FILM 0.033MF +-10% 50
C5506	0800049	CAPACITOR,ELECTROLYTIC 100MF 16V	C653	0880044	CAPACITOR POLYESTER FILM 0.01MF +-10% 50V
C5507	0244171	CD 0.01MF +80-20% 50V	⚠ C654	0800069	CAPACITOR,ELECTROLYTIC 330MF 50V
C5508	0800049	CAPACITOR,ELECTROLYTIC 100MF 16V	C655	0252969	EL 2200MF 25V
C5510	0800049	CAPACITOR,ELECTROLYTIC 100MF 16V	C656	0800069	CAPACITOR,ELECTROLYTIC 330MF 50V
C5511	0800003	CAPACITOR ELECTROLYTIC 1MF 50V	C658	0800049	CAPACITOR,ELECTROLYTIC 100MF 16V
C5512	0800003	CAPACITOR ELECTROLYTIC 1MF 50V	C659	0284446	EL 1MF 50V
C5513	0800003	CAPACITOR ELECTROLYTIC 1MF 50V	⚠ C660	0298261	TA 1MF +-10% 35V
C5514	0244171	CD 0.01MF +80-20% 50V	C664	0800067	CAPACITOR,ELECTROLYTIC 330MF 25V
C5515	0244171	CD 0.01MF +80-20% 50V	C665	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C5516	0890116	CAPACITOR CERAMIC DISCAL 15PF +-5% 50V	C668	0880044	CAPACITOR POLYESTER FILM 0.01MF +-10% 50V
C5517	0800001	CAPACITOR ELECTROLYTIC 0.47MF 50V	C669	0800043	CAPACITOR ELECTROLYTIC 47MF 35V
C5518	0244171	CD 0.01MF +80-20% 50V	C701	0880044	CAPACITOR POLYESTER FILM 0.01MF +-10% 50V
C5519	0244171	CD 0.01MF +80-20% 50V	C711	0299926	PP 0.1MF +-10% 200V
C5520	0244171	CD 0.01MF +80-20% 50V	C713	0244501	CD 1000PF +-10% 500V
C5521	0244171	CD 0.01MF +80-20% 50V	C714	0243507	CD 330PF +-10% 500V
C5522	0244171	CD 0.01MF +80-20% 50V	C715	0890028	CAPACITOR CERAMIC DISCAL 330PF +-10% 50V
C5523	0244171	CD 0.01MF +80-20% 50V	C716	0299929	PP 0.18MF +-10% 200V
C5524	0244171	CD 0.01MF +80-20% 50V	⚠ C717	0262426F	PP 9100PF +-5% 1.8KV
C5525	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V	⚠ C718	0262415F	PP 3600PF +-5% 1.8KV
C5526	0244107	CD 3300PF +-10% 50V	⚠ C719	0299929	PP 0.18MF +-10% 200V
C5527	0244171	CD 0.01MF +80-20% 50V	⚠ C720	0299929	PP 0.18MF +-10% 200V
C5529	0800003	CAPACITOR ELECTROLYTIC 1MF 50V	C721	0299918	PP 0.022MF +-10% 200V
C5530	0890079	CAPACITOR,CERAMIC DISCAL 270PF +-10% 50V	C722	0259473	EL 6.8MF 25V
C5531	0890087	CAPACITOR CERAMIC DISCAL 1000PF +-10% 50V	⚠ C723	0244211F	CD 1000PF +-10% 2KV
C5533	0880047	CAPACITOR POLYESTER FILM 0.018MF +-10% 50	C724	0259153	EL 220MF 160V

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SYMBOL NO.	PART NO.	PART DESCRIPTION
C726	0284634	EL 4.7MF 50V
C727	0244504	CD 1800PF +-10% 500V
C729	0253983F	EL 33MF
C731	0800053	CAPACITOR ELECTROLYTIC 100MF 50V
C732	0299636	PP 0.068MF +-5% 1600V
C738	0243510	CD 560PF +-10% 500V
C739	0800018	CAPACITOR ELECTROLYTIC 10MF 50V
C743	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C744	0880048	CAPACITOR POLYESTER FILM 0.022MF +-10% 50
C745	0880057	CAPACITOR POLYESTER FILM 0.1MF +-10% 50V
C750	0890087	CAPACITOR CERAMIC DISCAL 1000PF +-10% 50V
C752	0890084	CAPACITOR CERAMIC DISCAL 560PF +-10% 50V
C753	0880051	CAPACITOR POLYESTER FILM 0.033MF +-10% 50
C755	0244109	CD 4700PF +-10% 50V
C760	0243503	CD 150PF +-10% 500V
C763	0890089	CAPACITOR CERAMIC DISCAL 1500PF +-10% 50V
C770	0890082	CAPACITOR CERAMIC DISCAL 390PF +-10% 50V
C771	0880044	CAPACITOR POLYESTER FILM 0.01MF +-10% 50V
C772	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C773	0284642	EL 10MF 50V
C775	0880041	CAPACITOR POLYESTER FILM 5600PF +-10% 50V
C776	0890083	CAPACITOR CERAMIC DISCAL 470PF +-10% 50V
C781	0800041	CAPACITOR ELECTROLYTIC 47MF 16V
C790	0800074	CAPACITOR ELECTROLYTIC 470MF 16V
C791	0800074	CAPACITOR ELECTROLYTIC 470MF 16V
C792	0252396	EL 10MF 16V
C793	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C794	0244109	CD 4700PF +-10% 50V
C795	0284449	EL 4.7MF 50V
C796	0800041	CAPACITOR ELECTROLYTIC 47MF 16V
C797	0800049	CAPACITOR,ELECTROLYTIC 100MF 16V
C801G	0257543	EL 3.3MF 315V
C804B	0244889	CD 2200PF +-10% 2KV
C804G	0244889	CD 2200PF +-10% 2KV
C804R	0244889	CD 2200PF +-10% 2KV
C805B	0800326	CAPACITOR ELECTROLYTIC 100MF 16V
C805G	0800326	CAPACITOR ELECTROLYTIC 100MF 16V
C805R	0800326	CAPACITOR ELECTROLYTIC 100MF 16V
C806B	0244501	CD 1000PF +-10% 500V
C807B	0244105	CD 2200PF +-10% 50V
C807G	0244105	CD 2200PF +-10% 50V
C807R	0244105	CD 2200PF +-10% 50V
C808B	0244120	CD 820PF +-10% 50V
C808G	0244102	CD 1200PF +-10% 50V
C808R	0244139	CD 1000PF +-10% 50V
C809B	0244227	CD 100PF +-10% 50V
⚠ C901	0279718	PF 0.1MF +-10% 125V
⚠ C902	0279718	PF 0.1MF +-10% 125V
C903	0248593F	CD 4700PF +80-20% 250V
⚠ C904	0248593F	CD 4700PF +80-20% 250V
⚠ C905	0248593F	CD 4700PF +80-20% 250V
⚠ C906	0248593F	CD 4700PF +80-20% 250V
C907	0259167	EL 820MF 200V
C908	0259167	EL 820MF 200V
C909	0249486	CD 2200PF +-20%

SYMBOL NO.	PART NO.	PART DESCRIPTION
C911	0890087	CAPACITOR CERAMIC DISCAL 1000PF +-10% 50V
C912	0800067	CAPACITOR ELECTROLYTIC 330MF 25V
C913	0880044	CAPACITOR POLYESTER FILM 0.01MF +-10% 50V
C914	0880035	CAPACITOR POLYESTER FILM 2200PF +-10% 50V
C915	0880044	CAPACITOR POLYESTER FILM 0.01MF +-10% 50V
C916	0299981	PP 0.01MF +-5% 630V
C917	0880031	CAPACITOR POLYESTER FILM 1000PF +-10% 50V
C918	0800009	CAPACITOR ELECTROLYTIC 4.7MF 25V
C920	0249487	CD 3300PF +-20%
C931	0800075	CAPACITOR ELECTROLYTIC 470MF 25V
C932	0800015	CAPACITOR,ELECTROLYTIC 10MF 16V
C933	0800049	CAPACITOR,ELECTROLYTIC 100MF 16V
C941	0258175	EL 470MF 31.5V
C942	0880044	CAPACITOR POLYESTER FILM 0.01MF +-10% 50V
C943	0244105	CD 2200PF +-10% 50V
C944	0258178	EL 470MF,63V
C945	0284439	EL 470MF 35V
C947	0800043	CAPACITOR ELECTROLYTIC 47MF 35V
C948	0800043	CAPACITOR ELECTROLYTIC 47MF 35V
C949	0258178	EL 470MF,63V
C950	0284439F	EL 470MF 35V
C952	0880057	CAPACITOR POLYESTER FILM 0.1MF +-10% 50V
C953	0880057	CAPACITOR POLYESTER FILM 0.1MF +-10% 50V
C954	0800042	CAPACITOR ELECTROLYTIC 47MF 25V
C956	0258175	EL 470MF 31.5V
C957	0258179	EL 1000MF,6
C958	0258175	EL 470MF 31.5V
C959	0800044	CAPACITOR ELECTROLYTIC 47MF 50V
C960	0880057	CAPACITOR POLYESTER FILM 0.1MF +-10% 50V
C981	0880057	CAPACITOR POLYESTER FILM 0.1MF +-10% 50V
C982	0800018	CAPACITOR ELECTROLYTIC 10MF 50V
C983	0800044	CAPACITOR ELECTROLYTIC 47MF 50V
C984	0258697	EL 470MF 160V
C985	0800041	CAPACITOR ELECTROLYTIC 47MF 16V
C986	0800023	CAPACITOR ELECTROLYTIC 22MF 16V
C987	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C989	0800003	CAPACITOR ELECTROLYTIC 1MF 50V
C990	0800082	CAPACITOR ELECTROLYTIC 1000MF 16V
C991	0258121	EL 2.2MF 100V
C992	0880044	CAPACITOR POLYESTER FILM 0.01MF +-10% 50V
C994	0800079	CAPACITOR ELECTROLYTIC 1000MF 6.3V
		RESISTORS
R0001	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R0002	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R0003	0700058	RESISTOR,CARBON FILM 22K OHM +-5% 1/16W
R0004	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R0005	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R0006	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W
R0008	0700055	RESISTOR,CARBON FILM 12K OHM +-5% 1/16W
R0009	0700055	RESISTOR,CARBON FILM 12K OHM +-5% 1/16W
R0010	0700055	RESISTOR,CARBON FILM 12K OHM +-5% 1/16W
R0011	0700056	RESISTOR,CARBON FILM 15K OHM +-5% 1/16W
R0012	0700056	RESISTOR,CARBON FILM 15K OHM +-5% 1/16W

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SYMBOL NO.	PART NO.	PART DESCRIPTION	SYMBOL NO.	PART NO.	PART DESCRIPTION
R0013	0700056	RESISTOR,CARBON FILM 15K OHM +-5% 1/16W	R0081	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R0015	0700051	RESISTOR,CARBON FILM 5.6K OHM +-5% 1/16W	R0082	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R0016	0700051	RESISTOR,CARBON FILM 5.6K OHM +-5% 1/16W	R0083	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R0017	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W	R0084	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R0018	0700053	RESISTOR,CARBON FILM 8.2K OHM +-5% 1/16W	R0085	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R0019	0700055	RESISTOR,CARBON FILM 12K OHM +-5% 1/16W	R0086	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R0020	0700053	RESISTOR,CARBON FILM 8.2K OHM +-5% 1/16W	R0087	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R0021	0700053	RESISTOR,CARBON FILM 8.2K OHM +-5% 1/16W	R0088	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R0031	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W	R0089	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R0032	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W	R0090	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R0033	0700027	RESISTOR,CARBON FILM 100 OHM +-5% 1/16W	R0091	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R0034	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W	R0092	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R0035	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W	R0093	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R0036	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W	R0094	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R0037	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W	R0095	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R0038	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W	R0096	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W
R0039	0700058	RESISTOR,CARBON FILM 22K OHM +-5% 1/16W	R0097	0700058	RESISTOR,CARBON FILM 22K OHM +-5% 1/16W
R0040	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W	R0098	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R0041	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W	R0099	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R0042	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W	R0100	0700045	RESISTOR,CARBON FILM 2.2K OHM +-5% 1/16W
R0043	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W	R0101	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R0044	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W	R0102	0700058	RESISTOR,CARBON FILM 22K OHM +-5% 1/16W
R0045	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W	R0103	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R0046	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W	R0104	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R0047	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W	R0105	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R0048	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W	R0106	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R0049	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W	R0107	0700051	RESISTOR,CARBON FILM 5.6K OHM +-5% 1/16W
R0050	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W	R0108	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R0051	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W	R0109	0700051	RESISTOR,CARBON FILM 5.6K OHM +-5% 1/16W
R0052	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W	R0110	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R0053	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W	R0111	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R0054	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W	R0112	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R0055	0700045	RESISTOR,CARBON FILM 2.2K OHM +-5% 1/16W	R0113	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R0056	0700051	RESISTOR,CARBON FILM 5.6K OHM +-5% 1/16W	R0114	0700056	RESISTOR,CARBON FILM 15K OHM +-5% 1/16W
R0057	0700064	RESISTOR,CARBON FILM 56K OHM +-5% 1/16W	R0115	0700056	RESISTOR,CARBON FILM 15K OHM +-5% 1/16W
R0059	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W	R0116	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R0060	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W	R0117	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R0061	0700058	RESISTOR,CARBON FILM 22K OHM +-5% 1/16W	R0118	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R0062	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W	R0120	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R0063	0700031	RESISTOR,CARBON FILM 180 OHM +-5% 1/16W	R0121	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R0064	0700066	RESISTOR,CARBON FILM 82K OHM +-5% 1/16W	R0122	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R0065	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W	R0123	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R0067	0700064	RESISTOR,CARBON FILM 56K OHM +-5% 1/16W	R0124	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R0068	0700064	RESISTOR,CARBON FILM 56K OHM +-5% 1/16W	R0125	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R0069	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R0126	0700065	RESISTOR CARBON FILM 68K OHM +-5% 1/16W
R0070	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W	R0127	0119635	MF 15K OHM +-1% 1/8W
R0071	0700058	RESISTOR,CARBON FILM 22K OHM +-5% 1/16W	R0128	0700034	RESISTOR,CARBON FILM 330 OHM +-5% 1/16W
R0073	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W	R0129	0700037	RESISTOR,CARBON FILM 560 OHM +-5% 1/16W
R0074	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W	R0130	0700057	RESISTOR,CARBON FILM 18K OHM +-5% 1/16W
R0075	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W	R0131	0700027	RESISTOR,CARBON FILM 100 OHM +-5% 1/16W
R0076	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W	R0132	0700022	RESISTOR CARBON FILM 39 OHM +-5% 1/16W
R0077	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W	R0133	0100065	CF 1K OHM +-5% 1/8W
R0078	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W	R0136	0700064	RESISTOR,CARBON FILM 56K OHM +-5% 1/16W
R0079	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W	R0137	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R0080	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W	R0138	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W

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SYMBOL NO.	PART NO.	PART DESCRIPTION	SYMBOL NO.	PART NO.	PART DESCRIPTION
R0139	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W	R0213	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W
R0140	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W	R0214	0114149	CF 560 OHM +-5% 1/4W
R0141	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R0215	0700058	RESISTOR,CARBON FILM 22K OHM +-5% 1/16W
R0146	0100053	CF 330 OHM +-5% 1/8W	R0216	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R0151	0100067	CF 1.2K OHM +-5% 1/8W	R0220	0700055	RESISTOR,CARBON FILM 12K OHM +-5% 1/16W
R0152	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W	R0223	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R0153	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W	R0225	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R0154	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W	R0226	0100121	CF 220K OHM +-5% 1/8W
R0155	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W	R0229	0100121	CF 220K OHM +-5% 1/8W
R0159	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W	R0501	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R0161	0700056	RESISTOR,CARBON FILM 15K OHM +-5% 1/16W	R0502	0700058	RESISTOR,CARBON FILM 22K OHM +-5% 1/16W
R0162	0700051	RESISTOR,CARBON FILM 5.6K OHM +-5% 1/16W	R0503	0700045	RESISTOR,CARBON FILM 2.2K OHM +-5% 1/16W
R0163	0700056	RESISTOR,CARBON FILM 15K OHM +-5% 1/16W	R0504	0100065	CF 1K OHM +-5% 1/8W
R0164	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R0510	0100125	CF 330K OHM +-5% 1/8W
R0165	0700061	RESISTOR,CARBON FILM 33K OHM +-5% 1/16W	R0511	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R0166	0700066	RESISTOR,CARBON FILM 82K OHM +-5% 1/16W	R0512	0100125	CF 330K OHM +-5% 1/8W
R0167	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R0513	0100129	CF 470K OHM +-5% 1/8W
R0168	0100065	CF 1K OHM +-5% 1/8W	R0516	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R0169	0700064	RESISTOR,CARBON FILM 56K OHM +-5% 1/16W	R0517	0700043	RESISTOR,CARBON FILM 1.5K OHM +-5% 1/16W
R0170	0100097	CF 22K OHM +-5% 1/8W	R0518	0187074	CF 2.4K OHM +-5% 1/16W
R0171	0100066	CF 1.1K OHM +-5% 1/8W	R0519	0187080	CF 4.3K OHM +-5% 1/16W
R0172	0100041	CF 100 OHM +-5% 1/8W	R0520	0100065	CF 1K OHM +-5% 1/8W
R0173	0100065	CF 1K OHM +-5% 1/8W	R0521	0114149	CF 560 OHM +-5% 1/4W
R0174	0100065	CF 1K OHM +-5% 1/8W	R0530	0100115	CF 120K OHM +-5% 1/8W
R0176	0100065	CF 1K OHM +-5% 1/8W	R0531	0700046	RESISTOR,CARBON FILM 2.7K OHM +-5% 1/16W
R0177	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R0532	0700052	RESISTOR,CARBON FILM 6.8K OHM +-5% 1/16W
R0178	0700065	RESISTOR CARBON FILM 68K OHM +-5% 1/16W	R0533	0700046	RESISTOR,CARBON FILM 2.7K OHM +-5% 1/16W
R0179	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R0534	0700048	RESISTOR,CARBON FILM 3.9K OHM +-5% 1/16W
R0180	0100065	CF 1K OHM +-5% 1/8W	R0535	0159922	VR 5K OHM-B
R0182	0700022	RESISTOR CARBON FILM 39 OHM +-5% 1/16W	R0536	0700057	RESISTOR,CARBON FILM 18K OHM +-5% 1/16W
R0186	0700051	RESISTOR,CARBON FILM 5.6K OHM +-5% 1/16W	R0537	0100121	CF 220K OHM +-5% 1/8W
R0187	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W	R0538	0700061	RESISTOR,CARBON FILM 33K OHM +-5% 1/16W
⚠R0188	0150287	VR 10K OHM-B	R0539	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R0189	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R0968	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R0190	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R1101	0700063	RESISTOR CARBON FILM 47K OHM +-5% 1/16W
R0191	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R1102	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R0192	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R1103	0700058	RESISTOR,CARBON FILM 22K OHM +-5% 1/16W
R0193	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R1104	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R0194	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R1301	0700063	RESISTOR CARBON FILM 47K OHM +-5% 1/16W
R0195	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R1302	0110229	MF 220 OHM +-5% 2W
R0196	0700058	RESISTOR,CARBON FILM 22K OHM +-5% 1/16W	R1303	0113696	CF 6.8 OHM +-5% 1/2W
R0197	0700058	RESISTOR,CARBON FILM 22K OHM +-5% 1/16W	R1304	0113696	CF 6.8 OHM +-5% 1/2W
R0198	0700058	RESISTOR,CARBON FILM 22K OHM +-5% 1/16W	R1306	0100077	CF 3.3K OHM +-5% 1/8W
R0199	0700058	RESISTOR,CARBON FILM 22K OHM +-5% 1/16W	R1311	0700063	RESISTOR CARBON FILM 47K OHM +-5% 1/16W
R0200	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W	R1312	0110225	MF 150 OHM +-5% 2W
R0202	0700066	RESISTOR,CARBON FILM 82K OHM +-5% 1/16W	R1313	0113692	CF 4.7 OHM +-5% 1/2W
R0203	0187064	CF 910 OHM +-5% 1/16W	R1314	0113692	CF 4.7 OHM +-5% 1/2W
R0204	0700061	RESISTOR,CARBON FILM 33K OHM +-5% 1/16W	R1316	0100077	CF 3.3K OHM +-5% 1/8W
R0205	0700061	RESISTOR,CARBON FILM 33K OHM +-5% 1/16W	R1326	0700063	RESISTOR CARBON FILM 47K OHM +-5% 1/16W
R0206	0700061	RESISTOR,CARBON FILM 33K OHM +-5% 1/16W	R1327	0110229	MF 220 OHM +-5% 2W
R0207	0700063	RESISTOR CARBON FILM 47K OHM +-5% 1/16W	R1328	0113696	CF 6.8 OHM +-5% 1/2W
R0208	0700063	RESISTOR CARBON FILM 47K OHM +-5% 1/16W	R1329	0113696	CF 6.8 OHM +-5% 1/2W
R0209	0700063	RESISTOR CARBON FILM 47K OHM +-5% 1/16W	R1331	0100077	CF 3.3K OHM +-5% 1/8W
R0211	0700058	RESISTOR,CARBON FILM 22K OHM +-5% 1/16W	R1336	0700063	RESISTOR CARBON FILM 47K OHM +-5% 1/16W
R0212	0700058	RESISTOR,CARBON FILM 22K OHM +-5% 1/16W	R1337	0110225	MF 150 OHM +-5% 2W

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SYMBOL NO.	PART NO.	PART DESCRIPTION
R1338	0113698	CF 8.2 OHM +-5% 1/2W
R1339	0113698	CF 8.2 OHM +-5% 1/2W
R1341	0100077	CF 3.3K OHM +-5% 1/8W
R1351	0700063	RESISTOR CARBON FILM 47K OHM +-5% 1/16W
R1352	0110229	MF 220 OHM +-5% 2W
R1353	0113696	CF 6.8 OHM +-5% 1/2W
R1354	0113696	CF 6.8 OHM +-5% 1/2W
R1356	0100077	CF 3.3K OHM +-5% 1/8W
R1361	0700063	RESISTOR CARBON FILM 47K OHM +-5% 1/16W
R1362	0110225	MF 150 OHM +-5% 2W
R1363	0113692	CF 4.7 OHM +-5% 1/2W
R1364	0113692	CF 4.7 OHM +-5% 1/2W
R1366	0100077	CF 3.3K OHM +-5% 1/8W
R1370	0700032	RESISTOR,CARBON FILM 220 OHM +-5% 1/16W
R1371	0700032	RESISTOR,CARBON FILM 220 OHM +-5% 1/16W
R1372	0700032	RESISTOR,CARBON FILM 220 OHM +-5% 1/16W
R1373	0700032	RESISTOR,CARBON FILM 220 OHM +-5% 1/16W
R1374	0700032	RESISTOR,CARBON FILM 220 OHM +-5% 1/16W
R1375	0700032	RESISTOR,CARBON FILM 220 OHM +-5% 1/16W
R1376	0700032	RESISTOR,CARBON FILM 220 OHM +-5% 1/16W
R1377	0700032	RESISTOR,CARBON FILM 220 OHM +-5% 1/16W
R1378	0700032	RESISTOR,CARBON FILM 220 OHM +-5% 1/16W
R1379	0700032	RESISTOR,CARBON FILM 220 OHM +-5% 1/16W
R1501	0700044	RESISTOR,CARBON FILM 1.8K OHM +-5% 1/16W
R1503	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R1504	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R1505	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R1507	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R1508	0700051	RESISTOR,CARBON FILM 5.6K OHM +-5% 1/16W
R1509	0700048	RESISTOR,CARBON FILM 3.9K OHM +-5% 1/16W
R1510	0700051	RESISTOR,CARBON FILM 5.6K OHM +-5% 1/16W
R1511	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W
R1512	0700051	RESISTOR,CARBON FILM 5.6K OHM +-5% 1/16W
R1513	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W
R1514	0700051	RESISTOR,CARBON FILM 5.6K OHM +-5% 1/16W
R1515	0700051	RESISTOR,CARBON FILM 5.6K OHM +-5% 1/16W
R1516	0700057	RESISTOR,CARBON FILM 18K OHM +-5% 1/16W
R1517	0700046	RESISTOR,CARBON FILM 2.7K OHM +-5% 1/16W
R1518	0700062	RESISTOR,CARBON FILM 39K OHM +-5% 1/16W
R1519	0700057	RESISTOR,CARBON FILM 18K OHM +-5% 1/16W
R1520	0700046	RESISTOR,CARBON FILM 2.7K OHM +-5% 1/16W
R1521	0700062	RESISTOR,CARBON FILM 39K OHM +-5% 1/16W
R1522	0700057	RESISTOR,CARBON FILM 18K OHM +-5% 1/16W
R1523	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W
R1524	0700062	RESISTOR,CARBON FILM 39K OHM +-5% 1/16W
R1525	0700057	RESISTOR,CARBON FILM 18K OHM +-5% 1/16W
R1526	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W
R1527	0700062	RESISTOR,CARBON FILM 39K OHM +-5% 1/16W
R1528	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R2101	0150136	VR 5K OHM-B
R2102	0150136	VR 5K OHM-B
R2103	0150136	VR 5K OHM-B
R2104	0150136	VR 5K OHM-B
R2105	0150136	VR 5K OHM-B
R2106	0150136	VR 5K OHM-B
R2107	0150136	VR 5K OHM-B
R2108	0150136	VR 5K OHM-B
R2109	0150136	VR 5K OHM-B
R2110	0150136	VR 5K OHM-B
R2111	0150136	VR 5K OHM-B
R2112	0150136	VR 5K OHM-B
R2113	0150136	VR 5K OHM-B
R2114	0150136	VR 5K OHM-B
R2115	0150136	VR 5K OHM-B
R2116	0150136	VR 5K OHM-B
R2117	0150136	VR 5K OHM-B
R2118	0150136	VR 5K OHM-B
R2119	0150136	VR 5K OHM-B
R2120	0150136	VR 5K OHM-B
R2121	0150136	VR 5K OHM-B
R2122	0150136	VR 5K OHM-B
R2123	0150136	VR 5K OHM-B
R2124	0150136	VR 5K OHM-B
R2125	0150136	VR 5K OHM-B
R2126	0150136	VR 5K OHM-B
R2127	0150136	VR 5K OHM-B
R2128	0150136	VR 5K OHM-B
R2129	0150136	VR 5K OHM-B
R2130	0150136	VR 5K OHM-B
R2131	0150136	VR 5K OHM-B
R2132	0150136	VR 5K OHM-B
R2133	0150136	VR 5K OHM-B
R2134	0150136	VR 5K OHM-B
R2135	0150136	VR 5K OHM-B
R2136	0150136	VR 5K OHM-B
R2137	0150136	VR 5K OHM-B
R2138	0150136	VR 5K OHM-B
R2139	0150136	VR 5K OHM-B
R2140	0150136	VR 5K OHM-B
R2141	0150136	VR 5K OHM-B
R2142	0150136	VR 5K OHM-B
R2151	0700044	RESISTOR,CARBON FILM 1.8K OHM +-5% 1/16W
R2152	0700042	RESISTOR,CARBON FILM 1.2K OHM +-5% 1/16W
R2153	0700042	RESISTOR,CARBON FILM 1.2K OHM +-5% 1/16W
R2154	0187092	CF 13K OHM+-5% 1/16W
R2155	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W
R2156	0700047	RESISTOR,CARBON FILM 3.3K OHM +-5% 1/16W
R2157	0700052	RESISTOR,CARBON FILM 6.8K OHM +-5% 1/16W
R2158	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R2162	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R2163	0100121	CF 220K OHM +-5% 1/8W
R2164	0114161	CF 1K OHM +-5% 1/4W
R2165	0100087	CF 8.2K OHM +-5% 1/8W
R2166	0187072	CF 2K OHM +-5% 1/16W
R2167	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W
R2168	0187068	CF 1.3K OHM +-5% 1/16W
R2169	0187080	CF 4.3K OHM +-5% 1/16W
R2170	0700055	RESISTOR,CARBON FILM 12K OHM +-5% 1/16W
R2171	0700047	RESISTOR,CARBON FILM 3.3K OHM +-5% 1/16W
R2172	0700047	RESISTOR,CARBON FILM 3.3K OHM +-5% 1/16W

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SYMBOL NO.	PART NO.	PART DESCRIPTION	SYMBOL NO.	PART NO.	PART DESCRIPTION
R2173	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W	R2245	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W
R2174	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W	R2246	0700046	RESISTOR,CARBON FILM 2.7K OHM +-5% 1/16W
R2175	0700042	RESISTOR,CARBON FILM 1.2K OHM +-5% 1/16W	R2247	0700063	RESISTOR CARBON FILM 47K OHM +-5% 1/16W
R2177	0700047	RESISTOR,CARBON FILM 3.3K OHM +-5% 1/16W	R2250	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W
R2178	0700055	RESISTOR,CARBON FILM 12K OHM +-5% 1/16W	R2251	0700058	RESISTOR,CARBON FILM 22K OHM +-5% 1/16W
R2179	0700047	RESISTOR,CARBON FILM 3.3K OHM +-5% 1/16W	R2252	0700061	RESISTOR,CARBON FILM 33K OHM +-5% 1/16W
R2180	0700066	RESISTOR,CARBON FILM 82K OHM +-5% 1/16W	R2253	0700042	RESISTOR,CARBON FILM 1.2K OHM +-5% 1/16W
R2182	0700051	RESISTOR,CARBON FILM 5.6K OHM +-5% 1/16W	R2254	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W
R2183	0150134	VR 1K OHM-B	R2255	0700051	RESISTOR,CARBON FILM 5.6K OHM +-5% 1/16W
R2189	0700055	RESISTOR,CARBON FILM 12K OHM +-5% 1/16W	R2256	0700042	RESISTOR,CARBON FILM 1.2K OHM +-5% 1/16W
R2190	0700057	RESISTOR,CARBON FILM 18K OHM +-5% 1/16W	R2257	0700046	RESISTOR,CARBON FILM 2.7K OHM +-5% 1/16W
R2193	0150136	VR 5K OHM-B	R2258	0700052	RESISTOR,CARBON FILM 6.8K OHM +-5% 1/16W
R2194	0150136	VR 5K OHM-B	R2259	0700045	RESISTOR,CARBON FILM 2.2K OHM +-5% 1/16W
R2195	0150136	VR 5K OHM-B	R2260	0700042	RESISTOR,CARBON FILM 1.2K OHM +-5% 1/16W
R2196	0150136	VR 5K OHM-B	R2261	0700047	RESISTOR,CARBON FILM 3.3K OHM +-5% 1/16W
R2197	0700066	RESISTOR,CARBON FILM 82K OHM +-5% 1/16W	R2262	0700047	RESISTOR,CARBON FILM 3.3K OHM +-5% 1/16W
R2199	0187104	CF 43K OHM +-5% 1/16W	R2263	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R2200	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R2264	0700047	RESISTOR,CARBON FILM 3.3K OHM +-5% 1/16W
R2201	0700052	RESISTOR,CARBON FILM 6.8K OHM +-5% 1/16W	R2265	0700058	RESISTOR,CARBON FILM 22K OHM +-5% 1/16W
R2205	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W	R2266	0700046	RESISTOR,CARBON FILM 2.7K OHM +-5% 1/16W
R2206	0187098	CF 24K OHM +-5% 1/16W	R2267	0700053	RESISTOR,CARBON FILM 8.2K OHM +-5% 1/16W
R2208	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W	R2268	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R2209	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W	R2269	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R2210	0700047	RESISTOR,CARBON FILM 3.3K OHM +-5% 1/16W	R2270	0700047	RESISTOR,CARBON FILM 3.3K OHM +-5% 1/16W
R2211	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R2271	0700048	RESISTOR,CARBON FILM 3.9K OHM +-5% 1/16W
R2212	0700048	RESISTOR,CARBON FILM 3.9K OHM +-5% 1/16W	R2272	0700063	RESISTOR CARBON FILM 47K OHM +-5% 1/16W
R2213	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W	R2273	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W
R2217	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W	R2274	0700062	RESISTOR,CARBON FILM 39K OHM +-5% 1/16W
R2218	0700044	RESISTOR,CARBON FILM 1.8K OHM +-5% 1/16W	R2275	0700048	RESISTOR,CARBON FILM 3.9K OHM +-5% 1/16W
R2219	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W	R2276	0700051	RESISTOR,CARBON FILM 5.6K OHM +-5% 1/16W
R2220	0114161	CF 1K OHM +-5% 1/4W	R2277	0700048	RESISTOR,CARBON FILM 3.9K OHM +-5% 1/16W
R2221	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W	R2278	0700045	RESISTOR,CARBON FILM 2.2K OHM +-5% 1/16W
R2222	0700052	RESISTOR,CARBON FILM 6.8K OHM +-5% 1/16W	R2279	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R2223	0700048	RESISTOR,CARBON FILM 3.9K OHM +-5% 1/16W	R2280	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R2224	0700048	RESISTOR,CARBON FILM 3.9K OHM +-5% 1/16W	R2281	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R2225	0187086	CF 7.5K OHM +-5% 1/16W	R2282	0700046	RESISTOR,CARBON FILM 2.7K OHM +-5% 1/16W
R2226	0700048	RESISTOR,CARBON FILM 3.9K OHM +-5% 1/16W	R2283	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W
R2227	0700051	RESISTOR,CARBON FILM 5.6K OHM +-5% 1/16W	R2284	0700052	RESISTOR,CARBON FILM 6.8K OHM +-5% 1/16W
R2228	0700045	RESISTOR,CARBON FILM 2.2K OHM +-5% 1/16W	R2285	0700045	RESISTOR,CARBON FILM 2.2K OHM +-5% 1/16W
R2229	0700045	RESISTOR,CARBON FILM 2.2K OHM +-5% 1/16W	R2286	0700052	RESISTOR,CARBON FILM 6.8K OHM +-5% 1/16W
R2230	0700053	RESISTOR,CARBON FILM 8.2K OHM +-5% 1/16W	R2287	0700066	RESISTOR,CARBON FILM 82K OHM +-5% 1/16W
R2231	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W	R2288	0700045	RESISTOR,CARBON FILM 2.2K OHM +-5% 1/16W
R2232	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R2289	0700052	RESISTOR,CARBON FILM 6.8K OHM +-5% 1/16W
R2233	0700044	RESISTOR,CARBON FILM 1.8K OHM +-5% 1/16W	R2290	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R2234	0700045	RESISTOR,CARBON FILM 2.2K OHM +-5% 1/16W	R2291	0700027	RESISTOR,CARBON FILM 100 OHM +-5% 1/16W
R2235	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R2292	0700047	RESISTOR,CARBON FILM 3.3K OHM +-5% 1/16W
R2236	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W	R2293	0700046	RESISTOR,CARBON FILM 2.7K OHM +-5% 1/16W
R2237	0700045	RESISTOR,CARBON FILM 2.2K OHM +-5% 1/16W	R2294	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W
R2238	0700066	RESISTOR,CARBON FILM 82K OHM +-5% 1/16W	R2295	0700063	RESISTOR CARBON FILM 47K OHM +-5% 1/16W
R2239	0700048	RESISTOR,CARBON FILM 3.9K OHM +-5% 1/16W	R2298	0700042	RESISTOR,CARBON FILM 1.2K OHM +-5% 1/16W
R2240	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R2299	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W
R2241	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R2300	0700051	RESISTOR,CARBON FILM 5.6K OHM +-5% 1/16W
R2242	0700061	RESISTOR,CARBON FILM 33K OHM +-5% 1/16W	R2301	0700042	RESISTOR,CARBON FILM 1.2K OHM +-5% 1/16W
R2243	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W	R2302	0700046	RESISTOR,CARBON FILM 2.7K OHM +-5% 1/16W
R2244	0700047	RESISTOR,CARBON FILM 3.3K OHM +-5% 1/16W	R2303	0700052	RESISTOR,CARBON FILM 6.8K OHM +-5% 1/16W

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SYMBOL NO.	PART NO.	PART DESCRIPTION	SYMBOL NO.	PART NO.	PART DESCRIPTION
R2304	0700045	RESISTOR,CARBON FILM 2.2K OHM +-5% 1/16W	R2363	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R2305	0700048	RESISTOR,CARBON FILM 3.9K OHM +-5% 1/16W	R2364	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W
R2306	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W	R2365	0700059	RESISTOR CARBON FILM 27K OHM +-5% 1/16W
R2307	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W	R2366	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R2308	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W	R2367	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W
R2309	0700044	RESISTOR,CARBON FILM 1.8K OHM +-5% 1/16W	R2368	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R2310	0700052	RESISTOR,CARBON FILM 6.8K OHM +-5% 1/16W	R2369	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R2311	0700058	RESISTOR,CARBON FILM 22K OHM +-5% 1/16W	R2370	0700047	RESISTOR,CARBON FILM 3.3K OHM +-5% 1/16W
R2312	0700061	RESISTOR,CARBON FILM 33K OHM +-5% 1/16W	R2371	0700048	RESISTOR,CARBON FILM 3.9K OHM +-5% 1/16W
R2313	0700046	RESISTOR,CARBON FILM 2.7K OHM +-5% 1/16W	R2372	0150134	VR 1K OHM-B
R2314	0700052	RESISTOR,CARBON FILM 6.8K OHM +-5% 1/16W	R2373	0700047	RESISTOR,CARBON FILM 3.3K OHM +-5% 1/16W
R2315	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R2374	0700059	RESISTOR CARBON FILM 27K OHM +-5% 1/16W
R2316	0700047	RESISTOR,CARBON FILM 3.3K OHM +-5% 1/16W	R2375	0700047	RESISTOR,CARBON FILM 3.3K OHM +-5% 1/16W
R2317	0700047	RESISTOR,CARBON FILM 3.3K OHM +-5% 1/16W	R2376	0700055	RESISTOR,CARBON FILM 12K OHM +-5% 1/16W
R2318	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W	R2377	0700064	RESISTOR,CARBON FILM 56K OHM +-5% 1/16W
R2319	0700053	RESISTOR,CARBON FILM 8.2K OHM +-5% 1/16W	R2378	0700065	RESISTOR CARBON FILM 68K OHM +-5% 1/16W
R2320	0700058	RESISTOR,CARBON FILM 22K OHM +-5% 1/16W	R2379	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R2321	0700062	RESISTOR,CARBON FILM 39K OHM +-5% 1/16W	R2380	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W
R2322	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W	R2381	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R2323	0700063	RESISTOR CARBON FILM 47K OHM +-5% 1/16W	R2383	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R2324	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W	R2384	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W
R2325	0700052	RESISTOR,CARBON FILM 6.8K OHM +-5% 1/16W	R2388	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R2326	0700045	RESISTOR,CARBON FILM 2.2K OHM +-5% 1/16W	R2389	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R2327	0700051	RESISTOR,CARBON FILM 5.6K OHM +-5% 1/16W	R2390	0700052	RESISTOR,CARBON FILM 6.8K OHM +-5% 1/16W
R2328	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W	R2391	0700062	RESISTOR,CARBON FILM 39K OHM +-5% 1/16W
R2329	0700046	RESISTOR,CARBON FILM 2.7K OHM +-5% 1/16W	R2392	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R2330	0700042	RESISTOR,CARBON FILM 1.2K OHM +-5% 1/16W	R2393	0700042	RESISTOR,CARBON FILM 1.2K OHM +-5% 1/16W
R2331	0700045	RESISTOR,CARBON FILM 2.2K OHM +-5% 1/16W	R2394	0700053	RESISTOR,CARBON FILM 8.2K OHM +-5% 1/16W
R2332	0700053	RESISTOR,CARBON FILM 8.2K OHM +-5% 1/16W	R2396	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R2333	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W	R2397	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R2334	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W	R2398	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R2335	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W	R2399	0700043	RESISTOR,CARBON FILM 1.5K OHM +-5% 1/16W
R2336	0700066	RESISTOR,CARBON FILM 82K OHM +-5% 1/16W	R2400	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W
R2337	0187086	CF 7.5K OHM +-5% 1/16W	R2401	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R2338	0700053	RESISTOR,CARBON FILM 8.2K OHM +-5% 1/16W	R2402	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R2339	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R2403	0700066	RESISTOR,CARBON FILM 82K OHM +-5% 1/16W
R2340	0700046	RESISTOR,CARBON FILM 2.7K OHM +-5% 1/16W	R2404	0700056	RESISTOR,CARBON FILM 15K OHM +-5% 1/16W
R2341	0700052	RESISTOR,CARBON FILM 6.8K OHM +-5% 1/16W	R2405	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R2342	0700032	RESISTOR,CARBON FILM 220 OHM +-5% 1/16W	R2406	0700047	RESISTOR,CARBON FILM 3.3K OHM +-5% 1/16W
R2343	0700032	RESISTOR,CARBON FILM 220 OHM +-5% 1/16W	R2407	0700047	RESISTOR,CARBON FILM 3.3K OHM +-5% 1/16W
R2344	0700032	RESISTOR,CARBON FILM 220 OHM +-5% 1/16W	R2408	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R2345	0700032	RESISTOR,CARBON FILM 220 OHM +-5% 1/16W	R2409	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R2346	0700032	RESISTOR,CARBON FILM 220 OHM +-5% 1/16W	R2410	0700066	RESISTOR,CARBON FILM 82K OHM +-5% 1/16W
R2347	0700032	RESISTOR,CARBON FILM 220 OHM +-5% 1/16W	R2411	0700056	RESISTOR,CARBON FILM 15K OHM +-5% 1/16W
R2348	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W	R2419	0700061	RESISTOR,CARBON FILM 33K OHM +-5% 1/16W
R2349	0700051	RESISTOR,CARBON FILM 5.6K OHM +-5% 1/16W	R2420	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R2350	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R2421	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R2352	0700048	RESISTOR,CARBON FILM 3.9K OHM +-5% 1/16W	R2422	0700055	RESISTOR,CARBON FILM 12K OHM +-5% 1/16W
R2353	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W	R2423	0700053	RESISTOR,CARBON FILM 8.2K OHM +-5% 1/16W
R2355	0700053	RESISTOR,CARBON FILM 8.2K OHM +-5% 1/16W	R2424	0187110	CF 75K OHM +-5% 1/16W
R2356	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W	R2425	0700038	RESISTOR,CARBON FILM 680 OHM +-5% 1/16W
R2358	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W	R2426	0700061	RESISTOR,CARBON FILM 33K OHM +-5% 1/16W
R2359	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W	R2427	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W
R2361	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W	R2428	0700053	RESISTOR,CARBON FILM 8.2K OHM +-5% 1/16W
R2362	0700055	RESISTOR,CARBON FILM 12K OHM +-5% 1/16W	R2429	0114177	CF 4.7K OHM +-5% 1/4W

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SYMBOL NO.	PART NO.	PART DESCRIPTION
R2430	0100075	CF 2.7K OHM +-5% 1/8W
R2441	0100124	CF 300K OHM +-5% 1/8W
R2443	0700059	RESISTOR CARBON FILM 27K OHM +-5% 1/16W
R2445	0700052	RESISTOR,CARBON FILM 6.8K OHM +-5% 1/16W
R2446	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R2447	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W
R2448	0700064	RESISTOR,CARBON FILM 56K OHM +-5% 1/16W
R2449	0700063	RESISTOR CARBON FILM 47K OHM +-5% 1/16W
R2450	0700042	RESISTOR,CARBON FILM 1.2K OHM +-5% 1/16W
R2451	0100081	CF 4.7K OHM +-5% 1/8W
R2454	0700063	RESISTOR CARBON FILM 47K OHM +-5% 1/16W
R2455	0700064	RESISTOR,CARBON FILM 56K OHM +-5% 1/16W
R2456	0700061	RESISTOR,CARBON FILM 33K OHM +-5% 1/16W
R2466	0700052	RESISTOR,CARBON FILM 6.8K OHM +-5% 1/16W
R2470	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W
R2471	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R2473	0700051	RESISTOR,CARBON FILM 5.6K OHM +-5% 1/16W
R2474	0700051	RESISTOR,CARBON FILM 5.6K OHM +-5% 1/16W
R2479	0700066	RESISTOR,CARBON FILM 82K OHM +-5% 1/16W
R2480	0119514	FR 10 OHM +-5% 1/4W
R2481	0119514	FR 10 OHM +-5% 1/4W
R2482	0100121	CF 220K OHM +-5% 1/8W
R2483	0700037	RESISTOR,CARBON FILM 560 OHM +-5% 1/16W
R2501	0700027	RESISTOR,CARBON FILM 100 OHM +-5% 1/16W
R2502	0700051	RESISTOR,CARBON FILM 5.6K OHM +-5% 1/16W
R2503	0700027	RESISTOR,CARBON FILM 100 OHM +-5% 1/16W
R2504	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R3006	0700027	RESISTOR,CARBON FILM 100 OHM +-5% 1/16W
R3007	0700027	RESISTOR,CARBON FILM 100 OHM +-5% 1/16W
R3010	0700027	RESISTOR,CARBON FILM 100 OHM +-5% 1/16W
R3013	0700027	RESISTOR,CARBON FILM 100 OHM +-5% 1/16W
R3014	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R3021	0700027	RESISTOR,CARBON FILM 100 OHM +-5% 1/16W
R3024	0700027	RESISTOR,CARBON FILM 100 OHM +-5% 1/16W
R3025	0700061	RESISTOR,CARBON FILM 33K OHM +-5% 1/16W
R3028	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R3029	0700027	RESISTOR,CARBON FILM 100 OHM +-5% 1/16W
R3030	0700027	RESISTOR,CARBON FILM 100 OHM +-5% 1/16W
R3031	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R3032	0700058	RESISTOR,CARBON FILM 22K OHM +-5% 1/16W
R3033	0700058	RESISTOR,CARBON FILM 22K OHM +-5% 1/16W
R3034	0114133	CF 120 OHM +-5% 1/4W
R3038	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R3043	0700027	RESISTOR,CARBON FILM 100 OHM +-5% 1/16W
R3044	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R3045	0700027	RESISTOR,CARBON FILM 100 OHM +-5% 1/16W
R3046	0700027	RESISTOR,CARBON FILM 100 OHM +-5% 1/16W
R3047	0700061	RESISTOR,CARBON FILM 33K OHM +-5% 1/16W
R3048	0700058	RESISTOR,CARBON FILM 22K OHM +-5% 1/16W
R3049	0700032	RESISTOR,CARBON FILM 220 OHM +-5% 1/16W
R3050	0700048	RESISTOR,CARBON FILM 3.9K OHM +-5% 1/16W
R3051	0700047	RESISTOR,CARBON FILM 3.3K OHM +-5% 1/16W
R3053	0700051	RESISTOR,CARBON FILM 5.6K OHM +-5% 1/16W
R3054	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W
R3055	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R3056	0700037	RESISTOR,CARBON FILM 560 OHM +-5% 1/16W
R3057	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R3058	0700027	RESISTOR,CARBON FILM 100 OHM +-5% 1/16W
R3059	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R3060	0700027	RESISTOR,CARBON FILM 100 OHM +-5% 1/16W
R3061	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R3062	0700027	RESISTOR,CARBON FILM 100 OHM +-5% 1/16W
R3064	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R3065	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R3066	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R3075	0700027	RESISTOR,CARBON FILM 100 OHM +-5% 1/16W
R3076	0700027	RESISTOR,CARBON FILM 100 OHM +-5% 1/16W
R3077	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R3078	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R3079	0700027	RESISTOR,CARBON FILM 100 OHM +-5% 1/16W
R3080	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R3081	0700027	RESISTOR,CARBON FILM 100 OHM +-5% 1/16W
R3082	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R3083	0700027	RESISTOR,CARBON FILM 100 OHM +-5% 1/16W
R3084	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R3085	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R3086	0187038	CF 75 OHM +-5% 1/16W
R3087	0100123	CF 270K OHM +-5% 1/8W
R3088	0100123	CF 270K OHM +-5% 1/8W
R3089	0187038	CF 75 OHM +-5% 1/16W
R3090	0187038	CF 75 OHM +-5% 1/16W
R3091	0187038	CF 75 OHM +-5% 1/16W
R3092	0100123	CF 270K OHM +-5% 1/8W
R3093	0100123	CF 270K OHM +-5% 1/8W
R3094	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W
R3095	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W
R3096	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W
R3097	0187036	CF 62OHM +-5% 1/16W
R3098	0114141	CF 270 OHM +-5% 1/4W
R3099	0700034	RESISTOR,CARBON FILM 330 OHM +-5% 1/16W
R3100	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R3101	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R3112	0100041	CF 100 OHM +-5% 1/8W
R3113	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R3114	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R3115	0100041	CF 100 OHM +-5% 1/8W
R3116	0100041	CF 100 OHM +-5% 1/8W
R3117	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R3118	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R3119	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R3121	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R3122	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R3123	0700027	RESISTOR,CARBON FILM 100 OHM +-5% 1/16W
R3125	0700027	RESISTOR,CARBON FILM 100 OHM +-5% 1/16W
R3127	0700027	RESISTOR,CARBON FILM 100 OHM +-5% 1/16W
R3128	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R3129	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W
R3130	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R3131	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R3134	0700034	RESISTOR,CARBON FILM 330 OHM +-5% 1/16W

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SYMBOL NO.	PART NO.	PART DESCRIPTION
R3135	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W
R3136	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W
⚠R350	0150111	VR 1K OHM-B
R3504	0700051	RESISTOR,CARBON FILM 5.6K OHM +-5% 1/16W
R3505	0700051	RESISTOR,CARBON FILM 5.6K OHM +-5% 1/16W
R3507	0700029	RESISTOR,CARBON FILM 150 OHM +-5% 1/16W
⚠ R351	0150110	VR 500 OHM-B
R3510	0100053	CF 330 OHM +-5% 1/8W
R3512	0700059	RESISTOR CARBON FILM 27K OHM +-5% 1/16W
R3513	0700029	RESISTOR,CARBON FILM 150 OHM +-5% 1/16W
R3514	0700061	RESISTOR,CARBON FILM 33K OHM +-5% 1/16W
R3517	0100055	CF 390 OHM +-5% 1/8W
⚠ R352	0150110	VR 500 OHM-B
R3527	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W
R3528	0700058	RESISTOR,CARBON FILM 22K OHM +-5% 1/16W
R3529	0700058	RESISTOR,CARBON FILM 22K OHM +-5% 1/16W
R353	0700044	RESISTOR,CARBON FILM 1.8K OHM +-5% 1/16W
R3531	0700029	RESISTOR,CARBON FILM 150 OHM +-5% 1/16W
R3533	0700061	RESISTOR,CARBON FILM 33K OHM +-5% 1/16W
R3534	0700051	RESISTOR,CARBON FILM 5.6K OHM +-5% 1/16W
R3536	0700065	RESISTOR CARBON FILM 68K OHM +-5% 1/16W
R3538	0700058	RESISTOR,CARBON FILM 22K OHM +-5% 1/16W
R3539	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R354	0700039	RESISTOR,CARBON FILM 820 OHM +-5% 1/16W
⚠R3540	0150114	VR 10K OHM-B
R3541	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R3542	0700052	RESISTOR,CARBON FILM 6.8K OHM +-5% 1/16W
R3543	0700059	RESISTOR CARBON FILM 27K OHM +-5% 1/16W
R3546	0700056	RESISTOR,CARBON FILM 15K OHM +-5% 1/16W
R3547	0700048	RESISTOR,CARBON FILM 3.9K OHM +-5% 1/16W
R355	0700039	RESISTOR,CARBON FILM 820 OHM +-5% 1/16W
R3553	0700033	RESISTOR,CARBON FILM 270 OHM +-5% 1/16W
R3554	0700044	RESISTOR,CARBON FILM 1.8K OHM +-5% 1/16W
R3558	0700029	RESISTOR,CARBON FILM 150 OHM +-5% 1/16W
R3559	0700061	RESISTOR,CARBON FILM 33K OHM +-5% 1/16W
R3560	0187088	CF 9.1K OHM +-5% 1/16W
R3561	0700059	RESISTOR CARBON FILM 27K OHM +-5% 1/16W
R3562	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W
R3563	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W
R3564	0700058	RESISTOR,CARBON FILM 22K OHM +-5% 1/16W
⚠R3566	0150115	VR 20K OHM-B
R3567	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W
R3568	0700056	RESISTOR,CARBON FILM 15K OHM +-5% 1/16W
R3570	0700051	RESISTOR,CARBON FILM 5.6K OHM +-5% 1/16W
R3571	0700051	RESISTOR,CARBON FILM 5.6K OHM +-5% 1/16W
R3572	0700047	RESISTOR,CARBON FILM 3.3K OHM +-5% 1/16W
R3573	0700059	RESISTOR CARBON FILM 27K OHM +-5% 1/16W
R3574	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R3575	0700029	RESISTOR,CARBON FILM 150 OHM +-5% 1/16W
R3576	0700061	RESISTOR,CARBON FILM 33K OHM +-5% 1/16W
R3577	0700029	RESISTOR,CARBON FILM 150 OHM +-5% 1/16W
R3578	0100123	CF 270K OHM +-5% 1/8W
R3579	0700029	RESISTOR,CARBON FILM 150 OHM +-5% 1/16W
R3580	0700058	RESISTOR,CARBON FILM 22K OHM +-5% 1/16W
R3581	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W
R3582	0100133	CF 680K OHM +-5% 1/8W
R3584	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R3586	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R3588	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R3589	0700058	RESISTOR,CARBON FILM 22K OHM +-5% 1/16W
R3590	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R3591	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R3593	0187078	CF 3.6K OHM +-5% 1/16W
R3594	0700034	RESISTOR,CARBON FILM 330 OHM +-5% 1/16W
R3595	0700027	RESISTOR,CARBON FILM 100 OHM +-5% 1/16W
R3596	0700043	RESISTOR,CARBON FILM 1.5K OHM +-5% 1/16W
R3597	0700029	RESISTOR,CARBON FILM 150 OHM +-5% 1/16W
R3598	0100037	CF 68 OHM +-5% 1/8W
R3599	0100045	CF 150 OHM +-5% 1/8W
R3606	0100065	CF 1K OHM +-5% 1/8W
R3607	0100065	CF 1K OHM +-5% 1/8W
R3608	0100065	CF 1K OHM +-5% 1/8W
R3609	0700058	RESISTOR,CARBON FILM 22K OHM +-5% 1/16W
R3610	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R3611	0700039	RESISTOR,CARBON FILM 820 OHM +-5% 1/16W
R3625	0700027	RESISTOR,CARBON FILM 100 OHM +-5% 1/16W
R3628	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R3630	0100131	CF 560K OHM +-5% 1/8W
R3631	0179536	MG 1M OHM +-5% 1/8W
R3632	0100129	CF 470K OHM +-5% 1/8W
R3633	0700034	RESISTOR,CARBON FILM 330 OHM +-5% 1/16W
R3634	0700034	RESISTOR,CARBON FILM 330 OHM +-5% 1/16W
R3635	0700045	RESISTOR,CARBON FILM 2.2K OHM +-5% 1/16W
R3637	0700036	RESISTOR,CARBON FILM 470 OHM +-5% 1/16W
R3638	0187082	CF 5.1K OHM +-5% 1/16W
R3639	0700036	RESISTOR,CARBON FILM 470 OHM +-5% 1/16W
R3640	0187064	CF 910 OHM +-5% 1/16W
R3641	0700027	RESISTOR,CARBON FILM 100 OHM +-5% 1/16W
R3642	0187072	CF 2K OHM +-5% 1/16W
R3644	0700063	RESISTOR CARBON FILM 47K OHM +-5% 1/16W
R3801	0187038	CF 75 OHM +-5% 1/16W
R3802	0100041	CF 100 OHM +-5% 1/8W
R3803	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R3804	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R3805	0100123	CF 270K OHM +-5% 1/8W
R3806	0700064	RESISTOR,CARBON FILM 56K OHM +-5% 1/16W
R3807	0700047	RESISTOR,CARBON FILM 3.3K OHM +-5% 1/16W
R3808	0700045	RESISTOR,CARBON FILM 2.2K OHM +-5% 1/16W
R3809	0700064	RESISTOR,CARBON FILM 56K OHM +-5% 1/16W
R3810	0100123	CF 270K OHM +-5% 1/8W
R3811	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R3812	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R3813	0100041	CF 100 OHM +-5% 1/8W
R3814	0187038	CF 75 OHM +-5% 1/16W
R3815	0187038	CF 75 OHM +-5% 1/16W
R3820	0700058	RESISTOR,CARBON FILM 22K OHM +-5% 1/16W
R3821	0700032	RESISTOR,CARBON FILM 220 OHM +-5% 1/16W
R3822	0700061	RESISTOR,CARBON FILM 33K OHM +-5% 1/16W
R3823	0700062	RESISTOR,CARBON FILM 39K OHM +-5% 1/16W
R3824	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W

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SYMBOL NO.	PART NO.	PART DESCRIPTION	SYMBOL NO.	PART NO.	PART DESCRIPTION
R4001	0700046	RESISTOR,CARBON FILM 2.7K OHM +-5% 1/16W	R4090	0700048	RESISTOR,CARBON FILM 3.9K OHM +-5% 1/16W
R4002	0187082	CF 5.1K OHM +-5% 1/16W	R4091	0100047	CF 180 OHM +-5% 1/8W
R4003	0100125	CF 330K OHM +-5% 1/8W	R4092	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R4004	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R4095	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R4005	0700045	RESISTOR,CARBON FILM 2.2K OHM +-5% 1/16W	R4096	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R4006	0700061	RESISTOR,CARBON FILM 33K OHM +-5% 1/16W	R4103	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R4007	0150157	VR 200K OHM-B RV-6	R4104	0700027	RESISTOR,CARBON FILM 100 OHM +-5% 1/16W
R4008	0100133	CF 680K OHM +-5% 1/8W	R4105	0700027	RESISTOR,CARBON FILM 100 OHM +-5% 1/16W
R4009	0150290	VR 50K OHM (B)	R4106	0700061	RESISTOR,CARBON FILM 33K OHM +-5% 1/16W
R4010	0150290	VR 50K OHM (B)	R4107	0700058	RESISTOR,CARBON FILM 22K OHM +-5% 1/16W
R4011	0100116	CF 130K OHM +-5% 1/8W	R4108	0700038	RESISTOR,CARBON FILM 680 OHM +-5% 1/16W
R4012	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W	R4109	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W
R4014	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W	R4110	0700038	RESISTOR,CARBON FILM 680 OHM +-5% 1/16W
R4015	0700045	RESISTOR,CARBON FILM 2.2K OHM +-5% 1/16W	R4111	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W
R4016	0700051	RESISTOR,CARBON FILM 5.6K OHM +-5% 1/16W	R4112	0100117	CF 150K OHM +-5% 1/8W
R4017	0700038	RESISTOR,CARBON FILM 680 OHM +-5% 1/16W	R4113	0100116	CF 130K OHM +-5% 1/8W
R4018	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W	R4114	0150160	VR 10K 0HM-B +-30%
R4019	0700063	RESISTOR CARBON FILM 47K OHM +-5% 1/16W	R4115	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R402	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R4116	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R4020	0700057	RESISTOR,CARBON FILM 18K OHM +-5% 1/16W	R4117	0700061	RESISTOR,CARBON FILM 33K OHM +-5% 1/16W
R4021	0700047	RESISTOR,CARBON FILM 3.3K OHM +-5% 1/16W	R4118	0700045	RESISTOR,CARBON FILM 2.2K OHM +-5% 1/16W
R4022	0700037	RESISTOR,CARBON FILM 560 OHM +-5% 1/16W	R4121	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R4023	0700038	RESISTOR,CARBON FILM 680 OHM +-5% 1/16W	R4123	0700058	RESISTOR,CARBON FILM 22K OHM +-5% 1/16W
R4024	0100115	CF 120K OHM +-5% 1/8W	R4124	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R4025	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W	⚠R413	01195051	FR 2.2 OHM +-5% 1/4W
R4028	0700066	RESISTOR,CARBON FILM 82K OHM +-5% 1/16W	R4142	0700045	RESISTOR,CARBON FILM 2.2K OHM +-5% 1/16W
R4029	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W	R4143	0700045	RESISTOR,CARBON FILM 2.2K OHM +-5% 1/16W
R4030	0700038	RESISTOR,CARBON FILM 680 OHM +-5% 1/16W	R4144	0700063	RESISTOR CARBON FILM 47K OHM +-5% 1/16W
R4031	0100115	CF 120K OHM +-5% 1/8W	R4145	0700061	RESISTOR,CARBON FILM 33K OHM +-5% 1/16W
R4032	0700051	RESISTOR,CARBON FILM 5.6K OHM +-5% 1/16W	R4146	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R4033	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W	R4147	0700045	RESISTOR,CARBON FILM 2.2K OHM +-5% 1/16W
R4034	0700045	RESISTOR,CARBON FILM 2.2K OHM +-5% 1/16W	R4148	0700063	RESISTOR CARBON FILM 47K OHM +-5% 1/16W
R4035	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W	R4149	0700061	RESISTOR,CARBON FILM 33K OHM +-5% 1/16W
R4036	0700038	RESISTOR,CARBON FILM 680 OHM +-5% 1/16W	R4150	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R4037	0700063	RESISTOR CARBON FILM 47K OHM +-5% 1/16W	R4151	0700045	RESISTOR,CARBON FILM 2.2K OHM +-5% 1/16W
R4038	0700057	RESISTOR,CARBON FILM 18K OHM +-5% 1/16W	R4152	0700029	RESISTOR,CARBON FILM 150 OHM +-5% 1/16W
R4039	0700047	RESISTOR,CARBON FILM 3.3K OHM +-5% 1/16W	R4153	0700029	RESISTOR,CARBON FILM 150 OHM +-5% 1/16W
R404	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R4156	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R4040	0700037	RESISTOR,CARBON FILM 560 OHM +-5% 1/16W	R4157	0700045	RESISTOR,CARBON FILM 2.2K OHM +-5% 1/16W
R4041	0700038	RESISTOR,CARBON FILM 680 OHM +-5% 1/16W	⚠R416	01195051	FR 2.2 OHM +-5% 1/4W
R4042	0100115	CF 120K OHM +-5% 1/8W	R4160	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R4043	0700066	RESISTOR,CARBON FILM 82K OHM +-5% 1/16W	R4161	0700045	RESISTOR,CARBON FILM 2.2K OHM +-5% 1/16W
R4044	0700066	RESISTOR,CARBON FILM 82K OHM +-5% 1/16W	R4162	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R4045	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W	R4163	0700046	RESISTOR,CARBON FILM 2.7K OHM +-5% 1/16W
R4046	0700038	RESISTOR,CARBON FILM 680 OHM +-5% 1/16W	R4164	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R4047	0100115	CF 120K OHM +-5% 1/8W	R4165	0700046	RESISTOR,CARBON FILM 2.7K OHM +-5% 1/16W
R4048	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W	R417	0114161	CF 1K OHM +-5% 1/4W
R4051	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R419	0114161	CF 1K OHM +-5% 1/4W
R4052	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R420	0700065	RESISTOR CARBON FILM 68K OHM +-5% 1/16W
R4053	0700066	RESISTOR,CARBON FILM 82K OHM +-5% 1/16W	R422	0700065	RESISTOR CARBON FILM 68K OHM +-5% 1/16W
R407	0700065	RESISTOR CARBON FILM 68K OHM +-5% 1/16W	R423	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R4070	0700045	RESISTOR,CARBON FILM 2.2K OHM +-5% 1/16W	R425	0700063	RESISTOR CARBON FILM 47K OHM +-5% 1/16W
R4071	0700045	RESISTOR,CARBON FILM 2.2K OHM +-5% 1/16W	R426	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W
R4089	0700048	RESISTOR,CARBON FILM 3.9K OHM +-5% 1/16W	R428	0700058	RESISTOR,CARBON FILM 22K OHM +-5% 1/16W
R409	0700036	RESISTOR,CARBON FILM 470 OHM +-5% 1/16W	R437	0700063	RESISTOR CARBON FILM 47K OHM +-5% 1/16W

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SYMBOL NO.	PART NO.	PART DESCRIPTION	SYMBOL NO.	PART NO.	PART DESCRIPTION
R438	0700061	RESISTOR,CARBON FILM 33K OHM +-5% 1/16W	R4678	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R439	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R4679	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R440	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R4680	0700062	RESISTOR,CARBON FILM 39K OHM +-5% 1/16W
R441	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R4681	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R4626	0187072	CF 2K OHM +-5% 1/16W	R4682	0700034	RESISTOR,CARBON FILM 330 OHM +-5% 1/16W
R4627	0187086	CF 7.5K OHM +-5% 1/16W	R4683	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R4628	0700056	RESISTOR,CARBON FILM 15K OHM +-5% 1/16W	R4684	0700027	RESISTOR,CARBON FILM 100 OHM +-5% 1/16W
R4629	0700063	RESISTOR CARBON FILM 47K OHM +-5% 1/16W	R4685	0700027	RESISTOR,CARBON FILM 100 OHM +-5% 1/16W
R4630	0700056	RESISTOR,CARBON FILM 15K OHM +-5% 1/16W	R4686	0700027	RESISTOR,CARBON FILM 100 OHM +-5% 1/16W
R4631	0187086	CF 7.5K OHM +-5% 1/16W	R4687	0700027	RESISTOR,CARBON FILM 100 OHM +-5% 1/16W
R4632	0187072	CF 2K OHM +-5% 1/16W	R4688	0700027	RESISTOR,CARBON FILM 100 OHM +-5% 1/16W
R4633	0700058	RESISTOR,CARBON FILM 22K OHM +-5% 1/16W	R4689	0700027	RESISTOR,CARBON FILM 100 OHM +-5% 1/16W
R4634	0700058	RESISTOR,CARBON FILM 22K OHM +-5% 1/16W	R4690	0700027	RESISTOR,CARBON FILM 100 OHM +-5% 1/16W
R4635	0700063	RESISTOR CARBON FILM 47K OHM +-5% 1/16W	R4691	0700027	RESISTOR,CARBON FILM 100 OHM +-5% 1/16W
R4636	0100059	CF 560 OHM +-5% 1/8W	R4692	0700062	RESISTOR,CARBON FILM 39K OHM +-5% 1/16W
R4637	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W	R4693	0700053	RESISTOR,CARBON FILM 8.2K OHM +-5% 1/16W
R4638	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W	R4694	0700053	RESISTOR,CARBON FILM 8.2K OHM +-5% 1/16W
R4639	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W	R4695	0700053	RESISTOR,CARBON FILM 8.2K OHM +-5% 1/16W
R4640	0700032	RESISTOR,CARBON FILM 220 OHM +-5% 1/16W	R4696	0700056	RESISTOR,CARBON FILM 15K OHM +-5% 1/16W
R4641	0700032	RESISTOR,CARBON FILM 220 OHM +-5% 1/16W	R4697	0700063	RESISTOR CARBON FILM 47K OHM +-5% 1/16W
R4642	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R4698	0700063	RESISTOR CARBON FILM 47K OHM +-5% 1/16W
R4643	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R4699	0700047	RESISTOR,CARBON FILM 3.3K OHM +-5% 1/16W
R4644	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R4700	0700063	RESISTOR CARBON FILM 47K OHM +-5% 1/16W
R4645	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R4701	0179536	MG 1M OHM +-5% 1/8W
R4646	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R4702	0700051	RESISTOR,CARBON FILM 5.6K OHM +-5% 1/16W
R4647	0700032	RESISTOR,CARBON FILM 220 OHM +-5% 1/16W	R4703	0700063	RESISTOR CARBON FILM 47K OHM +-5% 1/16W
R4648	0700051	RESISTOR,CARBON FILM 5.6K OHM +-5% 1/16W	R4704	0700063	RESISTOR CARBON FILM 47K OHM +-5% 1/16W
R4649	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R4705	0700063	RESISTOR CARBON FILM 47K OHM +-5% 1/16W
R4650	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R4706	0700063	RESISTOR CARBON FILM 47K OHM +-5% 1/16W
R4651	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R4707	0700063	RESISTOR CARBON FILM 47K OHM +-5% 1/16W
R4652	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	⚠R4708	01195051	FR 2.2 OHM +-5% 1/4W
R4653	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	⚠R4709	01195051	FR 2.2 OHM +-5% 1/4W
R4655	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W	R4710	0700065	RESISTOR CARBON FILM 68K OHM +-5% 1/16W
R4656	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W	R4711	0700065	RESISTOR CARBON FILM 68K OHM +-5% 1/16W
R4657	0700057	RESISTOR,CARBON FILM 18K OHM +-5% 1/16W	R4712	0114161	CF 1K OHM +-5% 1/4W
R4658	0700057	RESISTOR,CARBON FILM 18K OHM +-5% 1/16W	R4713	0114161	CF 1K OHM +-5% 1/4W
R4659	0700057	RESISTOR,CARBON FILM 18K OHM +-5% 1/16W	R4716	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R4660	0700057	RESISTOR,CARBON FILM 18K OHM +-5% 1/16W	R4717	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R4661	0700064	RESISTOR,CARBON FILM 56K OHM +-5% 1/16W	R4718	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W
R4662	0700064	RESISTOR,CARBON FILM 56K OHM +-5% 1/16W	R4719	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W
R4663	0700063	RESISTOR CARBON FILM 47K OHM +-5% 1/16W	R4722	0700036	RESISTOR,CARBON FILM 470 OHM +-5% 1/16W
R4664	0700063	RESISTOR CARBON FILM 47K OHM +-5% 1/16W	R4723	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R4665	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W	R4727	0700058	RESISTOR,CARBON FILM 22K OHM +-5% 1/16W
R4666	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W	R4728	0700058	RESISTOR,CARBON FILM 22K OHM +-5% 1/16W
R4667	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R4729	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R4668	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R4730	0700058	RESISTOR,CARBON FILM 22K OHM +-5% 1/16W
R4669	0700063	RESISTOR CARBON FILM 47K OHM +-5% 1/16W	R4731	0700058	RESISTOR,CARBON FILM 22K OHM +-5% 1/16W
R4670	0700057	RESISTOR,CARBON FILM 18K OHM +-5% 1/16W	R4732	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R4671	0700057	RESISTOR,CARBON FILM 18K OHM +-5% 1/16W	R4734	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W
R4672	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W	R4735	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W
R4673	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W	R4737	0700032	RESISTOR,CARBON FILM 220 OHM +-5% 1/16W
R4674	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R4738	0700051	RESISTOR,CARBON FILM 5.6K OHM +-5% 1/16W
R4675	0700062	RESISTOR,CARBON FILM 39K OHM +-5% 1/16W	R4739	0700063	RESISTOR CARBON FILM 47K OHM +-5% 1/16W
R4676	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W	R4742	0100121	CF 220K OHM +-5% 1/8W
R4677	0700034	RESISTOR,CARBON FILM 330 OHM +-5% 1/16W	R4743	0100121	CF 220K OHM +-5% 1/8W

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SYMBOL NO.	PART NO.	PART DESCRIPTION	SYMBOL NO.	PART NO.	PART DESCRIPTION
R4747	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R5562	0700033	RESISTOR,CARBON FILM 270 OHM +-5% 1/16W
R4748	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	⚠ R5564	0150113	VR 5K OHM-B RS-6
R4749	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R5565	0700053	RESISTOR,CARBON FILM 8.2K OHM +-5% 1/16W
R4750	0700058	RESISTOR,CARBON FILM 22K OHM +-5% 1/16W	R5566	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R4752	0700063	RESISTOR CARBON FILM 47K OHM +-5% 1/16W	R5567	0700046	RESISTOR,CARBON FILM 2.7K OHM +-5% 1/16W
R4753	0700055	RESISTOR,CARBON FILM 12K OHM +-5% 1/16W	R5568	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R4754	0700058	RESISTOR,CARBON FILM 22K OHM +-5% 1/16W	R5570	0700062	RESISTOR,CARBON FILM 39K OHM +-5% 1/16W
R4755	0700058	RESISTOR,CARBON FILM 22K OHM +-5% 1/16W	R5571	0700037	RESISTOR,CARBON FILM 560 OHM +-5% 1/16W
R4756	0114135	CF 150 OHM +-5% 1/4W	R5573	0700058	RESISTOR,CARBON FILM 22K OHM +-5% 1/16W
R4757	0114135	CF 150 OHM +-5% 1/4W	R5574	0700058	RESISTOR,CARBON FILM 22K OHM +-5% 1/16W
R4758	0700045	RESISTOR,CARBON FILM 2.2K OHM +-5% 1/16W	R5575	0100125	CF 330K OHM +-5% 1/8W
R4759	0700045	RESISTOR,CARBON FILM 2.2K OHM +-5% 1/16W	R5581	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W
R4760	0700045	RESISTOR,CARBON FILM 2.2K OHM +-5% 1/16W	R5583	0700027	RESISTOR,CARBON FILM 100 OHM +-5% 1/16W
R4761	0700045	RESISTOR,CARBON FILM 2.2K OHM +-5% 1/16W	R5584	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R4762	0700058	RESISTOR,CARBON FILM 22K OHM +-5% 1/16W	R5585	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R4763	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W	R5591	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R5503	0700039	RESISTOR,CARBON FILM 820 OHM +-5% 1/16W	R5597	0100049	CF 220 OHM +-5% 1/8W
R5504	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W	R5598	0100049	CF 220 OHM +-5% 1/8W
R5505	0700061	RESISTOR,CARBON FILM 33K OHM +-5% 1/16W	R5599	0100049	CF 220 OHM +-5% 1/8W
R5506	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R5602	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R5509	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R5603	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R5510	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W	R5604	0100051	CF 270 OHM +-5% 1/8W
R5512	0700034	RESISTOR,CARBON FILM 330 OHM +-5% 1/16W	R5606	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R5513	0700039	RESISTOR,CARBON FILM 820 OHM +-5% 1/16W	R5609	0100065	CF 1K OHM +-5% 1/8W
R5514	0700037	RESISTOR,CARBON FILM 560 OHM +-5% 1/16W	R5610	0100065	CF 1K OHM +-5% 1/8W
R5515	0700029	RESISTOR,CARBON FILM 150 OHM +-5% 1/16W	R5611	0100065	CF 1K OHM +-5% 1/8W
R5516	0700063	RESISTOR CARBON FILM 47K OHM +-5% 1/16W	R5612	0700038	RESISTOR,CARBON FILM 680 OHM +-5% 1/16W
R5517	0700036	RESISTOR,CARBON FILM 470 OHM +-5% 1/16W	R5618	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R5518	0700042	RESISTOR,CARBON FILM 1.2K OHM +-5% 1/16W	R5619	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R5522	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W	R5620	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R5524	0700052	RESISTOR,CARBON FILM 6.8K OHM +-5% 1/16W	R5625	0700032	RESISTOR,CARBON FILM 220 OHM +-5% 1/16W
R5528	0700055	RESISTOR,CARBON FILM 12K OHM +-5% 1/16W	R5626	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R5529	0100129	CF 470K OHM +-5% 1/8W	R5901	0700035	RESISTOR,CARBON FILM 390 OHM +-5% 1/16W
R5530	0700061	RESISTOR,CARBON FILM 33K OHM +-5% 1/16W	R5902	0700024	RESISTOR,CARBON FILM 56 OHM +-5% 1/16W
R5531	0700027	RESISTOR,CARBON FILM 100 OHM +-5% 1/16W	R5903	0700047	RESISTOR,CARBON FILM 3.3K OHM +-5% 1/16W
R5533	0700027	RESISTOR,CARBON FILM 100 OHM +-5% 1/16W	R5904	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R5534	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R5905	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R5537	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R5906	0700039	RESISTOR,CARBON FILM 820 OHM +-5% 1/16W
R5538	0700064	RESISTOR,CARBON FILM 56K OHM +-5% 1/16W	R5907	0700048	RESISTOR,CARBON FILM 3.9K OHM +-5% 1/16W
R5539	0700066	RESISTOR,CARBON FILM 82K OHM +-5% 1/16W	R5908	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R5540	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R5909	0700047	RESISTOR,CARBON FILM 3.3K OHM +-5% 1/16W
R5541	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W	R5910	0700045	RESISTOR,CARBON FILM 2.2K OHM +-5% 1/16W
R5542	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R5911	0700027	RESISTOR,CARBON FILM 100 OHM +-5% 1/16W
R5543	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R5912	0700047	RESISTOR,CARBON FILM 3.3K OHM +-5% 1/16W
R5544	0700065	RESISTOR CARBON FILM 68K OHM +-5% 1/16W	R5913	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R5545	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R5914	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R5546	0700059	RESISTOR CARBON FILM 27K OHM +-5% 1/16W	R5916	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R5547	0700047	RESISTOR,CARBON FILM 3.3K OHM +-5% 1/16W	R5917	0187080	CF 4.3K OHM +-5% 1/16W
R5548	0700061	RESISTOR,CARBON FILM 33K OHM +-5% 1/16W	R5918	0700052	RESISTOR,CARBON FILM 6.8K OHM +-5% 1/16W
R5549	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W	R621	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R5550	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W	R622	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W
R5553	0100119	CF 180K OHM +-5% 1/8W	R623	0700032	RESISTOR,CARBON FILM 220 OHM +-5% 1/16W
R5555	0700042	RESISTOR,CARBON FILM 1.2K OHM +-5% 1/16W	R624	0700043	RESISTOR,CARBON FILM 1.5K OHM +-5% 1/16W
R5559	0700027	RESISTOR,CARBON FILM 100 OHM +-5% 1/16W	R626	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R5561	0700051	RESISTOR,CARBON FILM 5.6K OHM +-5% 1/16W	R627	0700052	RESISTOR,CARBON FILM 6.8K OHM +-5% 1/16W

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SYMBOL NO.	PART NO.	PART DESCRIPTION
R628	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R629	0700045	RESISTOR,CARBON FILM 2.2K OHM +-5% 1/16W
R630	0700065	RESISTOR CARBON FILM 68K OHM +-5% 1/16W
R631	0700051	RESISTOR,CARBON FILM 5.6K OHM +-5% 1/16W
R632	0700046	RESISTOR,CARBON FILM 2.7K OHM +-5% 1/16W
R634	0700027	RESISTOR,CARBON FILM 100 OHM +-5% 1/16W
⚠ R635	0150112	VR 2K OHM-B
R636	0700066	RESISTOR,CARBON FILM 82K OHM +-5% 1/16W
R639	0700051	RESISTOR,CARBON FILM 5.6K OHM +-5% 1/16W
R640	0700046	RESISTOR,CARBON FILM 2.7K OHM +-5% 1/16W
R641	0700027	RESISTOR,CARBON FILM 100 OHM +-5% 1/16W
R642	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W
R643	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R644	0700037	RESISTOR,CARBON FILM 560 OHM +-5% 1/16W
R645	0700066	RESISTOR,CARBON FILM 82K OHM +-5% 1/16W
R646	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W
R647	0700057	RESISTOR,CARBON FILM 18K OHM +-5% 1/16W
R651	0113725	CF 100 OHM +-5% 1/2W
R652	0113725	CF 100 OHM +-5% 1/2W
R653	0113725	CF 100 OHM +-5% 1/2W
R654	0100065	CF 1K OHM +-5% 1/8W
R656	0100053	CF 330 OHM +-5% 1/8W
R659	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R660	0700064	RESISTOR,CARBON FILM 56K OHM +-5% 1/16W
R661	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
⚠ R662	0150115	VR 20K OHM-B
R663	0187110	CF 75K OHM +-5% 1/16W
R664	0700038	RESISTOR,CARBON FILM 680 OHM +-5% 1/16W
R665	0119722	MF 1 OHM +-5% 1W
R666	0119722	MF 1 OHM +-5% 1W
R667	0700051	RESISTOR,CARBON FILM 5.6K OHM +-5% 1/16W
R668	0700061	RESISTOR,CARBON FILM 33K OHM +-5% 1/16W
R669	0700064	RESISTOR,CARBON FILM 56K OHM +-5% 1/16W
R670	0700065	RESISTOR CARBON FILM 68K OHM +-5% 1/16W
R671	0113766	CF 4.7K OHM +-5% 1/2W
R672	0110129	MF 220 OHM +-5% 1W
R673	0700061	RESISTOR,CARBON FILM 33K OHM +-5% 1/16W
R674	0114135	CF 150 OHM +-5% 1/4W
R675	0113758	CF 2.2K OHM +-5% 1/2W
R680	0700057	RESISTOR,CARBON FILM 18K OHM +-5% 1/16W
R681	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R682	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R683	0700067	RESISTOR,CARBON FILM 100K OHM +-5% 1/16W
R684	0700052	RESISTOR,CARBON FILM 6.8K OHM +-5% 1/16W
R685	0700051	RESISTOR,CARBON FILM 5.6K OHM +-5% 1/16W
R691	0700027	RESISTOR,CARBON FILM 100 OHM +-5% 1/16W
R7001	0700056	RESISTOR,CARBON FILM 15K OHM +-5% 1/16W
R7002	0700053	RESISTOR,CARBON FILM 8.2K OHM +-5% 1/16W
R7003	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R7004	0700061	RESISTOR,CARBON FILM 33K OHM +-5% 1/16W
R7005	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W
R7006	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R7007	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R7008	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R7009	0700044	RESISTOR,CARBON FILM 1.8K OHM +-5% 1/16W
R7010	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R7011	0700057	RESISTOR,CARBON FILM 18K OHM +-5% 1/16W
R7012	0700061	RESISTOR,CARBON FILM 33K OHM +-5% 1/16W
R7013	0700051	RESISTOR,CARBON FILM 5.6K OHM +-5% 1/16W
R7014	0700058	RESISTOR,CARBON FILM 22K OHM +-5% 1/16W
R7016	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R7017	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R7018	0700066	RESISTOR,CARBON FILM 82K OHM +-5% 1/16W
R7021	0700064	RESISTOR,CARBON FILM 56K OHM +-5% 1/16W
R7022	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R7023	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R7024	0700057	RESISTOR,CARBON FILM 18K OHM +-5% 1/16W
R707	0700039	RESISTOR,CARBON FILM 820 OHM +-5% 1/16W
⚠ R708	0110355	MF 2.7K OHM +-5% 3W
R709	0113770	CF 6.8K OHM +-5% 1/2W
⚠ R710	0110351	MF 1.8K OHM +-5% 3W
R711	0119688	MF 0.22 OHM +-5% 1W
R712	0100031	CF 39 OHM +-5% 1/8W
R719	0113785	CF 27K OHM +-5% 1/2W
R720	0113793	CF 56K OHM +-5% 1/2W
R721	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W
R722	0100091	CF 12K OHM +-5% 1/8W
R723	0700044	RESISTOR,CARBON FILM 1.8K OHM +-5% 1/16W
R724	0700052	RESISTOR,CARBON FILM 6.8K OHM +-5% 1/16W
R726	0700048	RESISTOR,CARBON FILM 3.9K OHM +-5% 1/16W
R727	0700048	RESISTOR,CARBON FILM 3.9K OHM +-5% 1/16W
R728	0700047	RESISTOR,CARBON FILM 3.3K OHM +-5% 1/16W
R729	0113729	CF 150 OHM +-5% 1/2W
R730	0110101	MF 15 OHM +-5% 1W
R732	0110129	MF 220 OHM +-5% 1W
⚠ R733	01195121	FR 1 OHM +-5% 1/4W
⚠ R734	0119514	FR 10 OHM +-5% 1/4W
R739	0110251	MF 1.8K OHM +-5% 2W
⚠ R742	0700063	RESISTOR CARBON FILM 47K OHM +-5% 1/16W
R744	0100127	CF 390K OHM +-5% 1/8W
R745	0114149	CF 560 OHM +-5% 1/4W
R751	0113719	CF 56 OHM +-5% 1/2W
R753	0110361	MF 4.7K OHM +-5% 3W
R754	0113766	CF 4.7K OHM +-5% 1/2W
R755	0110363	MF 5.6K OHM +-5% 3W
R766	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R767	0100079	CF 3.9K OHM +-5% 1/8W
R768	0110225	MF 150 OHM +-5% 2W
R769	0114177	CF 4.7K OHM +-5% 1/4W
R770	0700046	RESISTOR,CARBON FILM 2.7K OHM +-5% 1/16W
R771	0700063	RESISTOR CARBON FILM 47K OHM +-5% 1/16W
R772	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R773	0100113	CF 100K OHM +-5% 1/8W
R774	0187098	CF 24K OHM +-5% 1/16W
R775	0700043	RESISTOR,CARBON FILM 1.5K OHM +-5% 1/16W
R776	0700051	RESISTOR,CARBON FILM 5.6K OHM +-5% 1/16W
R777	0700043	RESISTOR,CARBON FILM 1.5K OHM +-5% 1/16W
R779	0100065	CF 1K OHM +-5% 1/8W
R780	0100041	CF 100 OHM +-5% 1/8W
R781	0110279	MF 27K OHM +-5% 2W

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SYMBOL NO.	PART NO.	PART DESCRIPTION
R782	0110279	MF 27K OHM +-5% 2W
R783	0110279	MF 27K OHM +-5% 2W
R784	0110279	MF 27K OHM +-5% 2W
R785	0110279	MF 27K OHM +-5% 2W
R786	0114213	CF 33K OHM +-5% 1/4W
R790	0700053	RESISTOR,CARBON FILM 8.2K OHM +-5% 1/16W
R791	0700047	RESISTOR,CARBON FILM 3.3K OHM +-5% 1/16W
R792	0700059	RESISTOR CARBON FILM 27K OHM +-5% 1/16W
R793	0700059	RESISTOR CARBON FILM 27K OHM +-5% 1/16W
R794	0700045	RESISTOR,CARBON FILM 2.2K OHM +-5% 1/16W
R795	0700033	RESISTOR,CARBON FILM 270 OHM +-5% 1/16W
R796	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R797	0700052	RESISTOR,CARBON FILM 6.8K OHM +-5% 1/16W
R798	0700058	RESISTOR,CARBON FILM 22K OHM +-5% 1/16W
R799	0700058	RESISTOR,CARBON FILM 22K OHM +-5% 1/16W
R801B	0110371	MF 12K OHM +-5% 3W
R801G	0110371	MF 12K OHM +-5% 3W
R801R	0110371	MF 12K OHM +-5% 3W
R802B	0110369	MF 10K OHM +-5% 3W
R802G	0110369	MF 10K OHM +-5% 3W
R802R	0110369	MF 10K OHM +-5% 3W
⚠R804B	0151635	VR 1M OHM-B
⚠R804G	0151635	VR 1M OHM-B
⚠R804R	0151635	VR 1M OHM-B
R805B	0179535	MG 680K OHM +-5% 1/2W
R805G	0179535	MG 680K OHM +-5% 1/2W
R805R	0179535	MG 680K OHM +-5% 1/2W
R806B	0179529	MG 10M OHM +-5% 1/2W
R806G	0179529	MG 10M OHM +-5% 1/2W
R806R	0179529	MG 10M OHM +-5% 1/2W
R807B	0100079	CF 3.9K OHM +-5% 1/8W
R808B	0100073	CF 2.2K OHM +-5% 1/8W
R809B	0100033	CF 47 OHM +-5% 1/8W
R810B	0100049	CF 220 OHM +-5% 1/8W
R810G	0100049	CF 220 OHM +-5% 1/8W
R810R	0100049	CF 220 OHM +-5% 1/8W
R811B	0100063	CF 820 OHM +-5% 1/8W
R811G	0100063	CF 820 OHM +-5% 1/8W
R811R	0100063	CF 820 OHM +-5% 1/8W
R812B	0100044	CF 130 OHM +-5% 1/8W
R812G	0100033	CF 47 OHM +-5% 1/8W
R812R	0100033	CF 47 OHM +-5% 1/8W
R813G	01513341	VR 200 OHM-B
R813R	01513341	VR 200 OHM-B
R815B	0100059	CF 560 OHM +-5% 1/8W
R815G	0100059	CF 560 OHM +-5% 1/8W
R815R	0100059	CF 560 OHM +-5% 1/8W
R817B	0100041	CF 100 OHM +-5% 1/8W
R817G	0100049	CF 220 OHM +-5% 1/8W
R817R	0100053	CF 330 OHM +-5% 1/8W
R818B	0100048	CF 200 OHM +-5% 1/8W
R819B	0179535	MG 680K OHM +-5% 1/2W
R819G	0179535	MG 680K OHM +-5% 1/2W
R819R	0179535	MG 680K OHM +-5% 1/2W
R820B	0113744	CF 560 OHM +-5% 1/2W
R820G	0113744	CF 560 OHM +-5% 1/2W
R820R	0113744	CF 560 OHM +-5% 1/2W
R901	0144151	WW 33 OHM +-5% 2W
R902	0139015	CC 1M OHM +-20% 1/2W
R903	0147804	WW 0.75 OHM 16W
R905	0110279	MF 27K OHM +-5% 2W
R906	0700046	RESISTOR,CARBON FILM 2.7K OHM +-5% 1/16W
R907	0700047	RESISTOR,CARBON FILM 3.3K OHM +-5% 1/16W
R908	0700044	RESISTOR,CARBON FILM 1.8K OHM +-5% 1/16W
R909	0700038	RESISTOR,CARBON FILM 680 OHM +-5% 1/16W
R910	0148009	WW 0.056 OHM 2W
R911	0700058	RESISTOR,CARBON FILM 22K OHM +-5% 1/16W
R912	0700042	RESISTOR,CARBON FILM 1.2K OHM +-5% 1/16W
R913	0700047	RESISTOR,CARBON FILM 3.3K OHM +-5% 1/16W
R915	0700014	RESISTOR,CARBON FILM 10 OHM +-5% 1/16W
R916	0700043	RESISTOR,CARBON FILM 1.5K OHM +-5% 1/16W
R917	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R918	0700047	RESISTOR,CARBON FILM 3.3K OHM +-5% 1/16W
R919	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R920	0700036	RESISTOR,CARBON FILM 470 OHM +-5% 1/16W
R921	0700055	RESISTOR,CARBON FILM 12K OHM +-5% 1/16W
R922	0700023	RESISTOR,CARBON FILM 47 OHM +-5% 1/16W
R923	0700047	RESISTOR,CARBON FILM 3.3K OHM +-5% 1/16W
R931	0114169	CF 2.2K OHM +-5% 1/4W
R932	0700027	RESISTOR,CARBON FILM 100 OHM +-5% 1/16W
R933	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R934	0113719	CF 56 OHM +-5% 1/2W
R935	0700048	RESISTOR,CARBON FILM 3.9K OHM +-5% 1/16W
R936	0110237	MF 470 OHM +-5% 2W
R938	0113760	CF 2.7K OHM +-5% 1/2W
R939	0700056	RESISTOR,CARBON FILM 15K OHM +-5% 1/16W
R940	0700052	RESISTOR,CARBON FILM 6.8K OHM +-5% 1/16W
R941	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R942	0700056	RESISTOR,CARBON FILM 15K OHM +-5% 1/16W
R943	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
⚠R948	0119693	MF 0.39 OHM +-5% 1W
R949	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R950	0700058	RESISTOR,CARBON FILM 22K OHM +-5% 1/16W
⚠R951	0113797	CF 82K OHM +-5% 1/2W
⚠R952	0700051	RESISTOR,CARBON FILM 5.6K OHM +-5% 1/16W
R953	0700063	RESISTOR CARBON FILM 47K OHM +-5% 1/16W
R955	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R956	0700045	RESISTOR,CARBON FILM 2.2K OHM +-5% 1/16W
R957	0700042	RESISTOR,CARBON FILM 1.2K OHM +-5% 1/16W
R981	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R982	0700049	RESISTOR,CARBON FILM 4.7K OHM +-5% 1/16W
R983	0700039	RESISTOR,CARBON FILM 820 OHM +-5% 1/16W
R984	0700043	RESISTOR,CARBON FILM 1.5K OHM +-5% 1/16W
R986	0119514	FR 10 OHM +-5% 1/4W
R987	0114137	CF 180 OHM +-5% 1/4W
R988	0700046	RESISTOR,CARBON FILM 2.7K OHM +-5% 1/16W
R989	0700032	RESISTOR,CARBON FILM 220 OHM +-5% 1/16W
R990	0700041	RESISTOR,CARBON FILM 1K OHM +-5% 1/16W
R991	0700054	RESISTOR,CARBON FILM 10K OHM +-5% 1/16W
R994	0114161	CF 1K OHM +-5% 1/4W

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SYMBOL NO.	PART NO.	PART DESCRIPTION
		ICs
IC0001	2001761	IC M37204M8-656SP
IC0002	2007831	IC M6M80041P
IC0003	2366301	IC UPD4052BC
IC0004	2004951	IC LA7945
IC0005	2001751	IC LC7458A-01
IC0006	2008721	IC M62358P
IC0961	2003423	IC UPC7893AHF (LINEAR)
IC0962	2004665	IC PQ09RF21
IC0963	2003421	IC UPC7805AHF
IC1301	2003191	IC STK4274 (LINEAR)
IC1326	2003191	IC STK4274 (LINEAR)
IC1351	2003191	IC STK4274 (LINEAR)
IC1501	2380391	IC UPD6326C
IC2101	2383191	IC LA7990
IC2102	2914051	IC NJM4560D
IC2103	2914051	IC NJM4560D
IC2104	2914051	IC NJM4560D
IC2105	2914051	IC NJM4560D
IC3001	2004792	IC SN76862NJ-09
IC3002	2004792	IC SN76862NJ-09
IC3003	2917391	IC MSC11371RS
IC3004	2003221	IC LVA521S-2 (LINEAR)
IC301	2005581	IC M62359P
IC4001	2004591	IC AN5817K (LINEAR)
IC4004	2004362	IC CXA1279AS
IC4005	2917391	IC MSC11371RS
IC402	2004751	IC TA8200AH
IC4601	2004831	IC LA2780N
IC4602	2380391	IC UPD6326C
IC4603	2362651	IC HD14053BP
IC4605	2362605	IC BA4558
IC4606	2362651	IC HD14053BP
IC4607	2362605	IC BA4558
IC4608	2362605	IC BA4558
IC4609	2362651	IC HD14053BP
IC4610	2004242	IC LV1000NA
IC4611	2004851	IC LM33256N-15
IC4612	2004362	IC CXA1279AS
IC4613	2004362	IC CXA1279AS
IC4614	2004751	IC TA8200AH
IC5501	2020321	IC YAT015
IC601	2003541	IC LA7838 (LINEAR)
IC602	2380651	IC AN5551
⚠ IC901	2339849	DIODE-ZENER HZS6C3
⚠ IC902	2000465	IC PS2501-1 (KD/LD) (PHOTO COUPLER)
⚠ IC903	2000465	IC PS2501-1 (KD/LD) (PHOTO COUPLER)
⚠ IC931	2381344	IC SE130N
IC933	2003413	IC UPC7912HF
IC935	2000632	IC SI-3120CA

SYMBOL NO.	PART NO.	PART DESCRIPTION
		TRANSISTORS
Q0001	2320637	TR 2SA673C/D SI 80MHZ 400MW
Q0002	2320591	TR 2SC458B/C SI 230MHZ 200MW
Q0003	2320591	TR 2SC458B/C SI 230MHZ 200MW
Q0004	2320637	TR 2SA673C/D SI 80MHZ 400MW
Q0005	2320591	TR 2SC458B/C SI 230MHZ 200MW
Q0006	2320591	TR 2SC458B/C SI 230MHZ 200MW
Q0007	2320643	TR 2SC1213C SI 80MHZ 400MW
Q0008	2320591	TR 2SC458B/C SI 230MHZ 200MW
Q0009	2320591	TR 2SC458B/C SI 230MHZ 200MW
Q0010	2320591	TR 2SC458B/C SI 230MHZ 200MW
Q0011	2320591	TR 2SC458B/C SI 230MHZ 200MW
Q0012	2320643	TR 2SC1213C SI 80MHZ 400MW
Q0014	2320591	TR 2SC458B/C SI 230MHZ 200MW
Q0015	2320643	TR 2SC1213C SI 80MHZ 400MW
Q0016	2320591	TR 2SC458B/C SI 230MHZ 200MW
Q0017	2320591	TR 2SC458B/C SI 230MHZ 200MW
Q0018	2320643	TR 2SC1213C SI 80MHZ 400MW
Q0019	2323521	TR 2SD789 B/C/D/E
Q0020	2320591	TR 2SC458B/C SI 230MHZ 200MW
Q0021	2320591	TR 2SC458B/C SI 230MHZ 200MW
Q0022	2320637	TR 2SA673C/D SI 80MHZ 400MW
Q0501	2320598	TR 2SC458B/C/D SI 230MHZ 200MW
Q0502	2312992	PHOTO TRANSISTOR PRT-38PT3F(M)
Q0503	2320637	TR 2SA673C/D SI 80MHZ 400MW
Q0504	2320598	TR 2SC458B/C/D SI 230MHZ 200MW
Q1101	2320591	TR 2SC458B/C SI 230MHZ 200MW
Q2101	2320595	TR 2SC458(D) SI 230MHZ 200MW
Q2102	2320595	TR 2SC458(D) SI 230MHZ 200MW
Q2115	2320595	TR 2SC458(D) SI 230MHZ 200MW
Q2116	2320595	TR 2SC458(D) SI 230MHZ 200MW
Q2122	2320595	TR 2SC458(D) SI 230MHZ 200MW
Q2123	2320681	TR 2SA673A B/C SI 80MHZ 400MW
Q2124	2320681	TR 2SA673A B/C SI 80MHZ 400MW
Q2125	2320681	TR 2SA673A B/C SI 80MHZ 400MW
Q2126	2320595	TR 2SC458(D) SI 230MHZ 200MW
Q2130	2320595	TR 2SC458(D) SI 230MHZ 200MW
Q2131	2320595	TR 2SC458(D) SI 230MHZ 200MW
Q2133	2320595	TR 2SC458(D) SI 230MHZ 200MW
Q3001	2320591	TR 2SC458B/C SI 230MHZ 200MW
Q3002	2320591	TR 2SC458B/C SI 230MHZ 200MW
Q3003	2320591	TR 2SC458B/C SI 230MHZ 200MW
Q3004	2320591	TR 2SC458B/C SI 230MHZ 200MW
Q3005	2320637	TR 2SA673C/D SI 80MHZ 400MW
Q3503	2320591	TR 2SC458B/C SI 230MHZ 200MW
Q3504	2320591	TR 2SC458B/C SI 230MHZ 200MW
Q3508	2320591	TR 2SC458B/C SI 230MHZ 200MW
Q3510	2320591	TR 2SC458B/C SI 230MHZ 200MW
Q3514	2320591	TR 2SC458B/C SI 230MHZ 200MW
Q3516	2320591	TR 2SC458B/C SI 230MHZ 200MW
Q3517	2320637	TR 2SA673C/D SI 80MHZ 400MW
Q3518	2320591	TR 2SC458B/C SI 230MHZ 200MW
Q3519	2320637	TR 2SA673C/D SI 80MHZ 400MW

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SYMBOL NO.	PART NO.	PART DESCRIPTION	SYMBOL NO.	PART NO.	PART DESCRIPTION
Q3520	2320591	TR 2SC458B/C SI 230MHZ 200MW	Q601	2312171	TR 2SC3852
Q3521	2326021	TR 2SC1741S	Q607	2320591	TR 2SC458B/C SI 230MHZ 200MW
Q3523	2320637	TR 2SA673C/D SI 80MHZ 400MW	Q609	2320591	TR 2SC458B/C SI 230MHZ 200MW
Q3524	2320591	TR 2SC458B/C SI 230MHZ 200MW	Q610	2320591	TR 2SC458B/C SI 230MHZ 200MW
Q3525	2320591	TR 2SC458B/C SI 230MHZ 200MW	Q611	2320591	TR 2SC458B/C SI 230MHZ 200MW
Q3801	2320598	TR 2SC458B/C/D SI 230MHZ 200MW	Q612	2320591	TR 2SC458B/C SI 230MHZ 200MW
Q3802	2320598	TR 2SC458B/C/D SI 230MHZ 200MW	Q613	2320637	TR 2SA673C/D SI 80MHZ 400MW
Q3804	2320598	TR 2SC458B/C/D SI 230MHZ 200MW	⚠Q701	2326216	TR 2SC3116 S/T
Q4001	2320591	TR 2SC458B/C SI 230MHZ 200MW	Q707	2320591	TR 2SC458B/C SI 230MHZ 200MW
Q4002	2320591	TR 2SC458B/C SI 230MHZ 200MW	Q708	2320637	TR 2SA673C/D SI 80MHZ 400MW
Q4003	2320591	TR 2SC458B/C SI 230MHZ 200MW	Q710	2312171	TR 2SC3852
Q4004	2320591	TR 2SC458B/C SI 230MHZ 200MW	Q711	2320663	TR 2SC1213AC SI 80MHZ 400MW
Q4005	2320591	TR 2SC458B/C SI 230MHZ 200MW	Q712	2320663	TR 2SC1213AC SI 80MHZ 400MW
Q4007	2320591	TR 2SC458B/C SI 230MHZ 200MW	Q713	2320591	TR 2SC458B/C SI 230MHZ 200MW
Q4008	2320591	TR 2SC458B/C SI 230MHZ 200MW	Q714	2320591	TR 2SC458B/C SI 230MHZ 200MW
Q4009	2320591	TR 2SC458B/C SI 230MHZ 200MW	Q715	2320591	TR 2SC458B/C SI 230MHZ 200MW
Q401	2320591	TR 2SC458B/C SI 230MHZ 200MW	Q716	2320591	TR 2SC458B/C SI 230MHZ 200MW
Q4010	2320591	TR 2SC458B/C SI 230MHZ 200MW	Q717	2320663	TR 2SC1213AC SI 80MHZ 400MW
Q4011	2320591	TR 2SC458B/C SI 230MHZ 200MW	Q718	2320663	TR 2SC1213AC SI 80MHZ 400MW
Q4012	2320591	TR 2SC458B/C SI 230MHZ 200MW	Q720	2320591	TR 2SC458B/C SI 230MHZ 200MW
Q4015	2320591	TR 2SC458B/C SI 230MHZ 200MW	Q721	2320591	TR 2SC458B/C SI 230MHZ 200MW
Q402	2320591	TR 2SC458B/C SI 230MHZ 200MW	Q722	2320637	TR 2SA673C/D SI 80MHZ 400MW
Q4027	2320591	TR 2SC458B/C SI 230MHZ 200MW	⚠Q777	2315273	TRANSISTOR 2SC4589-04
Q4028	2320591	TR 2SC458B/C SI 230MHZ 200MW	⚠Q780	2314991	TRANSISTOR 2SC4630
Q403	2320591	TR 2SC458B/C SI 230MHZ 200MW	Q801B	2312651	TR 2SC3503 C/D/E/F
Q4030	2320591	TR 2SC458B/C SI 230MHZ 200MW	Q801G	2312651	TR 2SC3503 C/D/E/F
Q4032	2320591	TR 2SC458B/C SI 230MHZ 200MW	Q801R	2312651	TR 2SC3503 C/D/E/F
Q4033	2320637	TR 2SA673C/D SI 80MHZ 400MW	Q802B	2320591	TR 2SC458B/C SI 230MHZ 200MW
Q4034	2320637	TR 2SA673C/D SI 80MHZ 400MW	Q802G	2320591	TR 2SC458B/C SI 230MHZ 200MW
Q404	2320591	TR 2SC458B/C SI 230MHZ 200MW	Q802R	2320591	TR 2SC458B/C SI 230MHZ 200MW
Q4609	2320591	TR 2SC458B/C SI 230MHZ 200MW	Q803B	2320637	TR 2SA673C/D SI 80MHZ 400MW
Q4610	2320637	TR 2SA673C/D SI 80MHZ 400MW	Q803G	2320637	TR 2SA673C/D SI 80MHZ 400MW
Q4611	2320591	TR 2SC458B/C SI 230MHZ 200MW	Q803R	2320637	TR 2SA673C/D SI 80MHZ 400MW
Q4612	2320637	TR 2SA673C/D SI 80MHZ 400MW	Q804B	2320591	TR 2SC458B/C SI 230MHZ 200MW
Q4613	2323521	TR 2SD789 B/C/D/E	⚠Q902	2323782	TR 03P2M
Q4615	2320591	TR 2SC458B/C SI 230MHZ 200MW	Q903	2320665	TR 2SC1213A(D)
Q4618	2320591	TR 2SC458B/C SI 230MHZ 200MW	Q931	2323521	TR 2SD789 B/C/D/E
Q4619	2320591	TR 2SC458B/C SI 230MHZ 200MW	Q932	2312171	TR 2SC3852
Q4620	2320591	TR 2SC458B/C SI 230MHZ 200MW	Q933	2320637	TR 2SA673C/D SI 80MHZ 400MW
Q4621	2320591	TR 2SC458B/C SI 230MHZ 200MW	Q934	2320637	TR 2SA673C/D SI 80MHZ 400MW
Q4622	2320591	TR 2SC458B/C SI 230MHZ 200MW	⚠Q935	2321112	TR 2SA778A
Q4716	2320591	TR 2SC458B/C SI 230MHZ 200MW	Q937	2326862	TR DTA114ES
Q4717	2320591	TR 2SC458B/C SI 230MHZ 200MW	Q938	2320637	TR 2SA673C/D SI 80MHZ 400MW
Q5501	2320591	TR 2SC458B/C SI 230MHZ 200MW	⚠Q940	2323782	TR 03P2M
Q5502	2320591	TR 2SC458B/C SI 230MHZ 200MW	Q941	2312171	TR 2SC3852
Q5503	2320637	TR 2SA673C/D SI 80MHZ 400MW			
Q5505	2320637	TR 2SA673C/D SI 80MHZ 400MW			**DIODES**
Q5506	2320637	TR 2SA673C/D SI 80MHZ 400MW			
Q5507	2320591	TR 2SC458B/C SI 230MHZ 200MW	D0001	2338321 1	DI 1SS270
Q5901	2320591	TR 2SC458B/C SI 230MHZ 200MW	D0002	2338321 1	DI 1SS270
Q5902	2320591	TR 2SC458B/C SI 230MHZ 200MW	D0003	2338321 1	DI 1SS270
Q5903	2320637	TR 2SA673C/D SI 80MHZ 400MW	D0004	2338321 1	DI 1SS270
Q5904	2320591	TR 2SC458B/C SI 230MHZ 200MW	D0005	2338321 1	DI 1SS270
Q5906	2320591	TR 2SC458B/C SI 230MHZ 200MW	D0006	2338321 1	DI 1SS270
Q5907	2320591	TR 2SC458B/C SI 230MHZ 200MW	D0008	2338321 1	DI 1SS270

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SYMBOL NO.	PART NO.	PART DESCRIPTION
D0009	23383211	DI 1SS270
D0010	23383211	DI 1SS270
D0011	23383211	DI 1SS270
D0012	23383211	DI 1SS270
D0013	23383211	DI 1SS270
D0017	23383211	DI 1SS270
D0019	23383211	DI 1SS270
D0020	23383211	DI 1SS270
D0021	23383211	DI 1SS270
D0022	23383211	DI 1SS270
D0023	23383211	DI 1SS270
D0024	23383211	DI 1SS270
D0025	23383211	DI 1SS270
D0026	23383211	DI 1SS270
D0030	23383211	DI 1SS270
D0031	23383211	DI 1SS270
D0036	23383211	DI 1SS270
D0037	23383211	DI 1SS270
D0038	23383211	DI 1SS270
D0039	23383211	DI 1SS270
D0501	23383211	DI 1SS270
D0502	23383211	DI 1SS270
D0503	2339691	LED SLH-56VC77F
D1301	23394911	DI AM01Z
D2101	23383211	DI 1SS270
D2102	23383211	DI 1SS270
D2103	23383211	DI 1SS270
D2104	23383211	DI 1SS270
D2105	23383211	DI 1SS270
D2107	23383211	DI 1SS270
D2108	23383211	DI 1SS270
D2109	23383211	DI 1SS270
D2111	23383211	DI 1SS270
D3001	23383211	DI 1SS270
D3002	23383211	DI 1SS270
D3003	23383211	DI 1SS270
D3004	23383211	DI 1SS270
D3005	23383211	DI 1SS270
D3008	23383211	DI 1SS270
D3502	23383211	DI 1SS270
D3503	23383211	DI 1SS270
D3504	23383211	DI 1SS270
D3505	23383211	DI 1SS270
D3506	23383211	DI 1SS270
D3507	23383211	DI 1SS270
D3508	23383211	DI 1SS270
D3509	23383211	DI 1SS270
D3511	23383211	DI 1SS270
D3512	23383211	DI 1SS270
D3516	23383211	DI 1SS270
D3517	23383211	DI 1SS270
D4001	23383211	DI 1SS270
D4002	23383211	DI 1SS270
D406	23383211	DI 1SS270
D407	23383211	DI 1SS270
D408	23383211	DI 1SS270
D409	23383211	DI 1SS270
D410	23383211	DI 1SS270
D413	23383211	DI 1SS270
D414	23383211	DI 1SS270
D416	23383211	DI 1SS270
D417	23383211	DI 1SS270
D418	23383211	DI 1SS270
D420	23383211	DI 1SS270
D421	23383211	DI 1SS270
D4604	23383211	DI 1SS270
D4605	23383211	DI 1SS270
D4606	23383211	DI 1SS270
D4607	23383211	DI 1SS270
D4608	23383211	DI 1SS270
D4609	23383211	DI 1SS270
D4611	23383211	DI 1SS270
D4612	23383211	DI 1SS270
D4613	23383211	DI 1SS270
D4614	23383211	DI 1SS270
D5503	23383211	DI 1SS270
D5504	23383211	DI 1SS270
D5507	23383211	DI 1SS270
D5508	23383211	DI 1SS270
D5509	23383211	DI 1SS270
D5510	23383211	DI 1SS270
D5902	23383211	DI 1SS270
D601	23383211	DI 1SS270
D620	23383211	DI 1SS270
D621	23383211	DI 1SS270
D622	23383211	DI 1SS270
D651	2338902	DI DFM1SA4
D652	23394911	DI AM01Z
D653	23394911	DI AM01Z
D654	23394911	DI AM01Z
D655	23383211	DI 1SS270
D657	23383211	DI 1SS270
D659	23383211	DI 1SS270
D660	23394911	DI AM01Z
D661	23383211	DI 1SS270
⚠ D701	2330564	DI V11N SI
⚠ D702	2338902	DI DFM1SA4
D703	2330564	DI V11N SI
D704	2330564	DI V11N SI
D705	2338902	DI DFM1SA4
⚠ D706	2348511	DIODE RS3FS
D707	2339531	DI RG4A
D7070	2339531	DI RG4A
D708	23383211	DI 1SS270
D709	23383211	DI 1SS270
D710	2334581	DI ES1A SI
D711	23383211	DI 1SS270
D712	23394911	DI AM01Z
D713	23383211	DI 1SS270
D714	23383211	DI 1SS270

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SYMBOL NO.	PART NO.	PART DESCRIPTION
D715	23383211	DI 1SS270
D716	23383211	DI 1SS270
D722	23383211	DI 1SS270
D722A	23383211	DI 1SS270
D723	23383211	DI 1SS270
D724	23383211	DI 1SS270
D728	23383211	DI 1SS270
D729	23383211	DI 1SS270
D781	23383211	DI 1SS270
D782	2349661	DIODE SM-1XN02
D801B	23383211	DI 1SS270
D801G	23383211	DI 1SS270
D801R	23383211	DI 1SS270
⚠ D901	2342061	DI D3SB(A)60
⚠ D903	23394811	DI AS01Z
D904	23383211	DI 1SS270
D905	23383211	DI 1SS270
⚠ D906	23394811	DI AS01Z
⚠ D931	2349661	DIODE SM-1XN02
⚠ D932	23383211	DI 1SS270
⚠ D933	2349661	DIODE SM-1XN02
D934	23383211	DI 1SS270
D935	23383211	DI 1SS270
⚠ D936	2338944	DI FML-G12S(F)
⚠ D937	2338944	DI FML-G12S(F)
⚠ D938	2338944	DI FML-G12S(F)
⚠ D939	2338932	DI FMG-G36S
⚠ D940	2338944	DI FML-G12S(F)
⚠ D941	2338944	DI FML-G12S(F)
⚠ D942	2338944	DI FML-G12S(F)
D945	23394911	DI AM01Z
D946	23394911	DI AM01Z
⚠ D948	23383211	DI 1SS270
⚠ D949	23383211	DI 1SS270
D951	23383211	DI 1SS270
D952	23383211	DI 1SS270
D953	23383211	DI 1SS270
D954	23383211	DI 1SS270
D958	23383211	DI 1SS270
ZD0001	2334122	ZD RD5.1EB1 SI
ZD0002	2339844	ZD HZS6B1
ZD0003	2339839	ZD HZS5C3
ZD0004	2339885	ZD HZS12B2
ZD0005	2339885	ZD HZS12B2
ZD0006	2339885	ZD HZS12B2
ZD0007	2339849	DIODE-ZENER HZS6C3
ZD0008	2335991	ZD HZT-33
ZD0009	2339839	ZD HZS5C3
ZD0010	2339885	ZD HZS12B2
ZD0011	2339885	ZD HZS12B2
ZD0012	2339885	ZD HZS12B2
ZD0013	2339885	ZD HZS12B2
ZD0015	2339885	ZD HZS12B2
ZD0016	2339885	ZD HZS12B2
ZD0017	2339885	ZD HZS12B2
ZD0501	2339885	ZD HZS12B2
ZD0502	2339885	ZD HZS12B2
ZD1301	2334324	ZD RD36EB3
ZD1302	2334324	ZD RD36EB3
ZD1311	2334324	ZD RD36EB3
ZD1312	2334324	ZD RD36EB3
ZD1326	2334324	ZD RD36EB3
ZD1327	2334324	ZD RD36EB3
ZD1336	2334324	ZD RD36EB3
ZD1337	2334324	ZD RD36EB3
ZD1351	2334324	ZD RD36EB3
ZD1352	2334324	ZD RD36EB3
ZD1361	2334324	ZD RD36EB3
ZD1362	2334324	ZD RD36EB3
ZD1501	2331797	ZD HZ5C1
ZD2101	2334285	DIODE-ZENER RD24EB4
ZD2102	2334285	DIODE-ZENER RD24EB4
ZD2103	2334285	DIODE-ZENER RD24EB4
ZD2104	2334285	DIODE-ZENER RD24EB4
ZD2105	2334285	DIODE-ZENER RD24EB4
ZD2106	2334285	DIODE-ZENER RD24EB4
ZD2107	2334285	DIODE-ZENER RD24EB4
ZD2108	2334285	DIODE-ZENER RD24EB4
ZD2109	2334285	DIODE-ZENER RD24EB4
ZD2110	2334285	DIODE-ZENER RD24EB4
ZD2111	2334285	DIODE-ZENER RD24EB4
ZD2112	2334285	DIODE-ZENER RD24EB4
ZD3001	2339836	DIODE-ZENER HZS5B3
ZD3002	2331154	ZD HZ12 (A1-3/B1-3/C1-3)
ZD3003	2331154	ZD HZ12 (A1-3/B1-3/C1-3)
ZD3004	2331154	ZD HZ12 (A1-3/B1-3/C1-3)
ZD3005	2331154	ZD HZ12 (A1-3/B1-3/C1-3)
ZD3006	2331154	ZD HZ12 (A1-3/B1-3/C1-3)
ZD3007	2331154	ZD HZ12 (A1-3/B1-3/C1-3)
ZD3008	2331154	ZD HZ12 (A1-3/B1-3/C1-3)
ZD3009	2331154	ZD HZ12 (A1-3/B1-3/C1-3)
ZD3010	2331154	ZD HZ12 (A1-3/B1-3/C1-3)
ZD3011	2331154	ZD HZ12 (A1-3/B1-3/C1-3)
ZD3012	2331154	ZD HZ12 (A1-3/B1-3/C1-3)
ZD3013	2331154	ZD HZ12 (A1-3/B1-3/C1-3)
ZD3014	2331154	ZD HZ12 (A1-3/B1-3/C1-3)
ZD3015	2331154	ZD HZ12 (A1-3/B1-3/C1-3)
ZD3017	2331154	ZD HZ12 (A1-3/B1-3/C1-3)
ZD3019	2331154	ZD HZ12 (A1-3/B1-3/C1-3)
ZD3021	2331154	ZD HZ12 (A1-3/B1-3/C1-3)
ZD3022	2331154	ZD HZ12 (A1-3/B1-3/C1-3)
ZD3024	2331154	ZD HZ12 (A1-3/B1-3/C1-3)
ZD303	2331799	ZD HZ5(C)3 SI
ZD304	2331799	ZD HZ5(C)3 SI
ZD305	2331799	ZD HZ5(C)3 SI
ZD308	2339868	ZD HZS9C2TA
ZD309	2334285	DIODE-ZENER RD24EB4
ZD310	2334323	DIODE-ZENER RD36EB2
ZD311	2339885	ZD HZS12B2
ZD312	2339885	ZD HZS12B2

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SYMBOL NO.	PART NO.	PART DESCRIPTION
ZD313	2339885	ZD HZS12B2
ZD314	2339885	ZD HZS12B2
ZD315	2339885	ZD HZS12B2
ZD3801	2331154	ZD HZ12 (A1-3/B1-3/C1-3)
ZD3802	2331154	ZD HZ12 (A1-3/B1-3/C1-3)
ZD3804	2331154	ZD HZ12 (A1-3/B1-3/C1-3)
ZD3805	2331154	ZD HZ12 (A1-3/B1-3/C1-3)
ZD4001	2339836	DIODE-ZENER HZS5B3
ZD4601	2331795	ZD HZ-5 (B2)
ZD4602	2339812	DIODE-ZENER HZS3A2
ZD4603	2339812	DIODE-ZENER HZS3A2
ZD5502	2339868	ZD HZS9C2TA
ZD5503	2339868	ZD HZS9C2TA
ZD5504	2339868	ZD HZS9C2TA
ZD5510	2334324	ZD RD36EB3
ZD5514	2331849	ZD HZ-12(C3)
ZD5519	2339885	ZD HZS12B2
ZD5520	2339885	ZD HZS12B2
ZD651	2331807	ZD HZ-6 (C1)
ZD652	2331154	ZD HZ12 (A1-3/B1-3/C1-3)
ZD653	2334243	ZD RD16E(B2)
ZD656	2334305	ZD RD30E (B4)
ZD709	2339612	ZD HZS3BLL-TA
⚠ZD710	2335461	ZD HZ24 (2L)
ZD712	2334334	ZD RD39EB3
ZD713	2339889	ZD HZS12C3
ZD714	2339825	ZD HZS4B2
ZD715	2339889	ZD HZS12C3
ZD801B	2331827	ZD HZ-9 (C1)
ZD801G	2331827	ZD HZ-9 (C1)
ZD801R	2331827	ZD HZ-9 (C1)
⚠ZD902	2339223	ZD HZS27-3L
ZD904	2334304	ZD RD30EB3
ZD905	2334304	ZD RD30EB3
ZD931	2339885	ZD HZS12B2
⚠ZD932	2339231	ZD HZS30-1L
⚠ZD933	2339042	ZD HZS7A2L
ZD936	2335461	ZD HZ24 (2L)
ZD937	2331809	ZD HZ-6 (C3)
ZD957	2339877	ZD HZS-11C1
		TRANSFORMERS
⚠T701	2260291	HOLIZONTAL DRIVE TRANSFORMER
⚠T702	2436493	FLYBACK TRANSFORMER
⚠T703	2272762	SPC TRANSFORMER
⚠T901	2213993	POWER TRANSFORMER
⚠T902	2215594	SWITCHING TRANSFORMER
⚠T903	2215861	POWER TRANSFORMER
		FUSES
⚠F601	2722353	FUSE 1.6A
⚠F901	2722358	FUSE 5A
⚠F903	2722358	FUSE 5A
⚠F931	2722387	FUSE 3A
⚠F932	2722357	FUSE 4A
⚠F933	2722387	FUSE 3A
⚠F934	2722387	FUSE 3A
⚠F935	2722357	FUSE 4A
⚠F936	2722387	FUSE 3A
⚠F937	2722353	FUSE 1.6A
		COMPOUND COMPONENTS
CP0001	2791754	DSS306-55B101M
CP0002	2791754	DSS306-55B101M
CP0003	2791754	DSS306-55B101M
CP0004	2791754	DSS306-55B101M
CP0005	2791754	DSS306-55B101M
CP0006	2791754	DSS306-55B101M
CP0007	2791754	DSS306-55B101M
CP0501	2381126	REMOTE CONTROL RECEIVER SPS-409-1F
⚠CP702	0150668	FOCUS PACK MHF174-09
⚠CP901	2793312	CAPRISTOR
CP901A	2784342	CONDENSER COVER
CP902	2793312	CAPRISTOR
MF0001	2163972	CERAMIC FILTER 6MHZ
MF0002	2168831	CRYSTAL
MF5501	2786685	CRYSTAL
M301	2375401	CHIP BORAD HC3041
M302	2375251	CHIP BOARD HC3031S (PinP VERSION 1)
M302	2375511	CHIP BOARD HC3053S (PinP VERSION 2)
		COILS
L0001	2122956	LA AXIAL COIL 100 MICRO H +-10%
L0002	2122956	LA AXIAL COIL 100 MICRO H +-10%
L0003	2146091	COIL-OSC
L0004	2122956	LA AXIAL COIL 100 MICRO H +-10%
L0005	2122956	LA AXIAL COIL 100 MICRO H +-10%
L0006	2122956	LA AXIAL COIL 100 MICRO H +-10%
L0011	2122956	LA AXIAL COIL 100 MICRO H +-10%
L0012	2122956	LA AXIAL COIL 100 MICRO H +-10%
L0013	2122956	LA AXIAL COIL 100 MICRO H +-10%
L1501	2120482	FILTER COIL 100 MICRO H +-10%
L2101	2120484	FILTER COIL
L2102	2120484	FILTER COIL
L2103	2120484	FILTER COIL
L2104	2120484	FILTER COIL
L2105	2120484	FILTER COIL
L2106	2120484	FILTER COIL
L3002	2120489	FILTER COIL 100 MICRO H +-10%
L3003	2120489	FILTER COIL 100 MICRO H +-10%
L3004	2120489	FILTER COIL 100 MICRO H +-10%
L3006	2220584	CHOKE COIL TSL0707330K
L3501	2120482	FILTER COIL 100 MICRO H +-10%
L3503	2122956	LA AXIAL COIL 100 MICRO H +-10%
L4001	2122253	LA AXIAL COIL 100 MICRO H
L401	2123461	FERRITE BEADS CORE

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SYMBOL NO.	PART NO.	PART DESCRIPTION
L402	2123461	FERRITE BEADS CORE
L404	2123461	FERRITE BEADS CORE
L405	2122253	LA AXIAL COIL 100 MICRO H
L4601	2123461	FERRITE BEADS CORE
L4602	2123461	FERRITE BEADS CORE
L5502	2120482	FILTER COIL 100 MICRO H +-10%
L5503	2122949	LA AXIAL COIL 33 MICRO H +-10%
L5504	2120482	FILTER COIL 100 MICRO H +-10%
L5505	2120482	FILTER COIL 100 MICRO H +-10%
L5901	2120482	FILTER COIL 100 MICRO H +-10%
L701	2121181	FILTER COIL
L703	2124181	CHOKE COIL
L705	2120486	FILTER COIL 4700 MICRO H +-5%
L706	2124511	LINEARITY COIL
L707	2122095	FILTER COIL 27 MICRO H
L708	2120482	FILTER COIL 100 MICRO H +-10%
L709	2122094	FIXED COIL
⚠ L901	2123507	LINE FILTER
⚠ L902	2123507	LINE FILTER
⚠ L905	2124365	COIL
L906	2122653	FERRITE BEADS CORE
L912	2123469	FERRITE BEADS CORE READ 2.3
L939	2161152	FILTER COIL
L940	2161152	FILTER COIL
L941	2161152	FILTER COIL
L942	2161152	FILTER COIL
L943	2161152	FILTER COIL
L944	2161152	FILTER COIL
L945	2161152	FILTER COIL
L946	2161152	FILTER COIL
L947	2161152	FILTER COIL
L949	2161152	FILTER COIL
L950	2161152	FILTER COIL
L951	2161152	FILTER COIL
L953	2161152	FILTER COIL
		SWITCHES
S0501	2632851	TACTO SWITCH
S0502	2632901	KEY SWITCH
S5502	2621051	SLIDE SWITCH
		MISCELLANEOUS
1	3204534	CONT PNL ASS'Y (W/O INDOOR P.) (HHEA MD)
	3827871	INDOOR PLATE (HHEA MD) (HSCC MD)
	3821731	CONTROL DOOR (W/O DOOR PLATE) (HHEA MD)
	3827872	DOOR PLATE (HHEA MD) (HSCC MD)
	3875771	LATCH 4T02
	3273431	CONTROL BUTTON (HHEA MD) (HSCC MD)
	4159427	3X10 TAPPING SCREW WITH WASHER
	4518772	3X12 TNE
3	3462207	BACK COVER (HHEA MD) (HSCC MD)
4	4492091	LENS CRT METAL
	4524915	HEXAGON HEAD B-TAP.SCREW 4X20
	4492171	UNIT COVER
	4524911	HEXAGON FLANGEHEAD 4X12
5	3873612	PWB HOLDER
6	3811971	BACK COVER DOOR
7	4519512	TAPPING SCREW 4X16 MM
8	3204811	TERMINAL HOLDER ASS'Y
9	4524911	HEXAGON FLANGEHEAD 4X12
	3204182	R/C LENS (HHEA MD) (HSCC MD)
	3725352	BOARD HOLDER
10	3744173	CLAMPER
11	4519503	3X12 TAPPING SCREW
12	4329271	WASHER (F)
13	4522901	NUT
14	4520232	4X16 DT SCREW
	3700921	LAMP LENS (HHEA MD) (HSCC MD)
	3742021	LEAD HOLDER(CABINET)
	4336491	CASTER METAL
	4159427	3X10 TAPPING SCREW WITH WASHER
	4519512	TAPPING SCREW 4X16 MM
	4526351	SPACER (CABINET)
15	4520771	4X18 TAPPING SCREW WITH WASHER
20	4137975	4X16 ZA R SCREW
21A	3142571	CABINET ASS'Y (50UX15K)
21B	3142581	CABINET ASS'Y (50UX14B)
21C	3142591	CABINET ASS'Y (46UX13K)
21D	3142592	CABINET ASS'Y (46UX12B)
23A	3191461	50 FRONT SURFACE MIRROR (50UX)
23B	4288066	K55 MIRROR (46UX)
29	4618172	RUBBER SPACER
30	4524912	HEXAGON FLANGEHEAD 4X16
34A	H512094	LOWER REAR BD (HHEA MD)
34B	H512095	LOWER REAR BD (HHEA MD)
35	4304282	COVER NET
36	4517997	4X12 SELF TAPPING SCREW
38A	3189761	SCREEN ASS'Y (50UX)
38B	3189762	SCREEN ASS'Y (46UX)
39A	3850611	SCREEN FRAME (50UX)
39B	3850613	SCREEN FRAME (46UX)
	4527821	M6 BOLT
	4520515	4X30 SPECIAL SCREW
	3744172	CLUMT 20
⚠ 40	4869321	LENS CRT B. ASS'Y R (HHEA MD) (HSCC MD)
⚠ 41	4869322	LENS CRT B. ASS'Y G (HHEA MD) (HSCC MD)
⚠ 42	4869323	LENS CRT B. ASS'Y B (HHEA MD) (HSCC MD)
⚠EANT	2427365	ANTENNA SWITCH ASS'Y ASB-311E-
ERR	2902266	7P SUB MINI PLUG PIN
⚠E101	2444875	DEFLECTION YOKE (HHEA MD) (HSCC MD)
E104	2774962	BEAM ALINEMENT MAGNET
E301	2573971	REM. CONTROL CLU-850GR (HHEA MD) (HSCC)
E302	2573622	REMOTE CONTROL CLU-609 (HHEA MD) (HSCC)
⚠E801B	2698673	CPT SOCKET
⚠E801G	2698673	CPT SOCKET
⚠E801R	2698673	CPT SOCKET
E802	2661756	1P PLUG PIN WITH BASE
⚠FE0001	2429691	FRONTEND V8-A68FT

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SYMBOL NO.	PART NO.	PART DESCRIPTION
J01	2983111	3PJACK WITH S TERMINAL
J3001	2672891	6P PIN JACK WITH S TERMINAL
J3002	2672894	5P PIN JACK
J4502	2672901	4P PUSH TERMINAL
ND707	2771894	FERRITE BEADS CORE 006
ND901	4520883	M3X12 SCREW WITH WASHER
ND936	2771892	FERRITE BEADS CORE 004
ND939	4520883	M3X12 SCREW WITH WASHER
NF601	2721351	FUSE HOLDER
NF901	2721351	FUSE HOLDER
NF903	2721351	FUSE HOLDER
NF932	2721351	FUSE HOLDER
NF935	2721351	FUSE HOLDER
NF937	2721351	FUSE HOLDER
NIC901	4520883	M3X12 SCREW WITH WASHER
NIC933	4520883	M3X12 SCREW WITH WASHER
NIC935	4520883	M3X12 SCREW WITH WASHER
NI131B	4520885	M3X16 SCREW
NI131C	4518772	3X12 TNE
NI601B	4520883	M3X12 SCREW WITH WASHER
NQ710B	4520883	M3X12 SCREW WITH WASHER
NQ777B	4520883	M3X12 SCREW WITH WASHER
NQ777C	2771892	FERRITE BEADS CORE 004
NQ777D	2771893	FERRITE BEADS CORE
NQ780B	4520883	M3X12 SCREW WITH WASHER
NQ932	4520883	M3X12 SCREW WITH WASHER
NQ941	4520883	M3X12 SCREW WITH WASHER
NT902	4518772	3X12 TNE
N003	3700342	WIRE CLAMP
N0932A	4520883	M3X12 SCREW WITH WASHER
N0962A	4520883	M3X12 SCREW WITH WASHER
N0963A	4520883	M3X12 SCREW WITH WASHER
N1030	4159427	3X10 TAPPING SCREW WITH WASHER
N1031D	4518772	3X12 TNE
N1032D	8815124	WASHER,LOCK 3MM
N1033	4518772	3X12 TNE
N1055	4159425	3X16 TAPPING SCREW
N1060	3746482	WIRE CLAMP
N1075	4159427	3X10 TAPPING SCREW WITH WASHER
N151B	4526322	M8X10 SCREW
N151G	4526322	M8X10 SCREW
N151R	4526322	M8X10 SCREW
N155	4524911	HEXAGON FLANGEHEAD 4X12
N157B	4524913	HEXAGON FLANGEHEAD 4X12 R
N157G	4524913	HEXAGON FLANGEHEAD 4X12 R
N157R	4524913	HEXAGON FLANGEHEAD 4X12 R
⚠N200B	3708418	SP LENS S-ASS'Y (B)
⚠N200G	3393226	LENS SASS SP DC-R
⚠N200R	3708417	SP LENS S-ASS'Y (R)(G)
N201	4919512	INSTRUCTION MANUAL (HHEA MD)
N241B	4526102	4X18 SCREW
N241G	4526102	4X18 SCREW
N241R	4526102	4X18 SCREW
N244B	4526101	4X12 SCREW
N244G	4526101	4X12 SCREW
N244R	4526101	4X12 SCREW
N245B	4518253	3X10 TAPPING SCREW FOR PLASTIC
N245G	4518253	3X10 TAPPING SCREW FOR PLASTIC
N245R	4518253	3X10 TAPPING SCREW FOR PLASTIC
N302	4520883	M3X12 SCREW WITH WASHER
N402A	4520883	M3X12 SCREW WITH WASHER
N408B	3332021	EARTH SPRING
N408G	3332021	EARTH SPRING
N408R	3332021	EARTH SPRING
N409B	4159411	3X8 KNURL TAPPING SCREW
N409G	4159411	3X8 KNURL TAPPING SCREW
N409R	4159411	3X8 KNURL TAPPING SCREW
N4614A	4520883	M3X12 SCREW WITH WASHER
N801	3763751	SK BINDER
N803	4520881	M3X8 SCREW WITH WASHER
N9	2745414	POWER SUPPLY CORD
N9BFN	4520883	M3X12 SCREW WITH WASHER
N9N	4520881	M3X8 SCREW WITH WASHER
N9NN	4770601	3 FLANGE NUT
N9NR	4520883	M3X12 SCREW WITH WASHER
N901	3772201	AC CORD HOLDER
⚠N907	3739671	CORD HOLDER
PAN	2663821	2P PLUG PIN
PCB	2661753	PIN PLUG WITH BASE
PCG	2661753	PIN PLUG WITH BASE
PCR	2661753	PIN PLUG WITH BASE
PD	2663135	PLUG PIN WITH BASE (6P)
PDR	2902263	4P SUB MINI PLUG PIN
PFJ	2902266	7P SUB MINI PLUG PIN
PKZ	2674631	5P CONNECTOR
PLG	2661756	1P PLUG PIN WITH BASE
PMB	2665272	4P PLUG PIN WITH BASE
PMG	2665272	4P PLUG PIN WITH BASE
PMR	2665272	4P PLUG PIN WITH BASE
PP31	2661751	PLUG PIN WITH BASE
PRR	2902266	7P SUB MINI PLUG PIN
PS	2661752	PLUG PIN
PS	2661942	CONNECTOR
PSD1	2674631	5P CONNECTOR
PSD2	2674635	10P CONNECTOR
PSD3	2674634	8P CONNECTOR
PSD4	2674635	10P CONNECTOR
PSD5	2674631	5P CONNECTOR
PSG	2661756	1P PLUG PIN WITH BASE
PSL	2661944	CONNECTOR
PTS	2663821	2P PLUG PIN
⚠RL901	2640572	POWER RELAY
SG780	2340039	SPARK GAP
SG781	2340039	SPARK GAP
⚠SG801B	2340039	SPARK GAP
⚠SG801G	2340039	SPARK GAP
⚠SG801R	2340039	SPARK GAP
⚠SG802B	2340039	SPARK GAP
⚠SG802G	2340039	SPARK GAP
⚠SG802R	2340039	SPARK GAP

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SYMBOL NO.	PART NO.	PART DESCRIPTION	SYMBOL NO.	PART NO.	PART DESCRIPTION
⚠SP401	2412921	SPEAKER 160MM (50UX14B/15K)			
⚠SP402	2412921	SPEAKER 160MM (50UX14B/15K)			
⚠SP403	2414941	SPEAKER (HHEA MD) (HSCC MD)			
⚠SP404	2414941	SPEAKER (HHEA MD) (HSCC MD)			
TH2101	2340552	THERMISTOR			
W811B	2692461	FOCUS LEAD WIRE (HHEA MD) (HSCC MD)			
W811G	2692461	FOCUS LEAD WIRE (HHEA MD) (HSCC MD)			
W811R	2692461	FOCUS LEAD WIRE (HHEA MD) (HSCC MD)			
X4601	2786585	CRYSTAL			
X5501	2791505	CRYSTAL			
⚠SP401	2414201	SPEAKER 120MM (46UX12B/13K)			
⚠SP402	2414201	SPEAKER 120MM (46UX12B/13K)			